CDP-X777ES

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
Australian Model

SPECIFICATIONS

Compact Disc Player Unit

System	Compact disc digital audio system
Disc	Compact Disc
Data read system	Non-Contact optical reading (using a semiconductor laser)
Laser	GaAlAs dual hetero-diode (λ (wavelength) = 780 nm)
Spindle speed	Approx. 200 rpm – 500 rpm (CLV)
Error correction	Sony Super Strategy, Cross Interleave Reed Solomon code
Frequency response	2–20,000 Hz ±0.3 dB
Signal to noise ratio	More than 118 dB
Dynamic range	More than 100 dB
Harmonic distortion	Less than 0.0015% (1 kHz)
Channnel separation	More than 110 dB (1 kHz)
Wow and flutter	Below measurable limit

Output jacks

LINE OUT (FIXED)	Output level 2 V (at 50 kilohms) Load impedance over 10 kilohms
LINE OUT (VARIABLE)	Output level max. 2 V (at 50 kilohms) Load impedance over 50 kilohms
BALANCED OUT (FIXED)	Output level 2 V (at 50 kilohms) Load impedance over 600 ohms
DIGITAL OUT (COAXIAL)	Output level 0.5 Vp-p (at 75 ohms) Load impedance 75 ohms
DIGITAL OUT (OPTICAL)	Wave length 660 nm Output level –18 dBm

Do not conncet either wire to the earth terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or green-and yellow.

General

Power requirements	US, Canadian model : AC120V, 60Hz Europe model: AC 220–230, 240 V, 50/60 Hz
RAM memory storage	Held for more than a month (after turning the power OFF).
Power consumption	30 watts
Dimensions (w/h/d)	430 × 125 × 375 mm (UK) (17 × 5 × 14 7/8 inches) 470 × 125 × 375 mm (others) (18 5/8 × 5 × 14 7/8 inches) (Including projecting parts and controls)
Weight	16 kg (35 lb 5 oz) (UK) 17 kg (37 lb 8 oz) (others)

Remote Commander (supplied)

Remote control system	Infrared control
Power requirements	3V DC (with two R6 (size AA) batteries)
Dimensions	62 × 18 × 175 mm (w/h/d) (2 7/16 × 23/32 × 7 inches)
Weight	135 g (4.8 oz) (including batteries)

Supplied accessories

Audio signal connecting cord × 1
Remote commander × 1
R6 (Size AA) battery × 2
Screwdriver × 1
Screw (M4) × 8 (excluding UK model)

Design and specifications subject to change without notice.

COMPACT DISC PLAYER

SONY®

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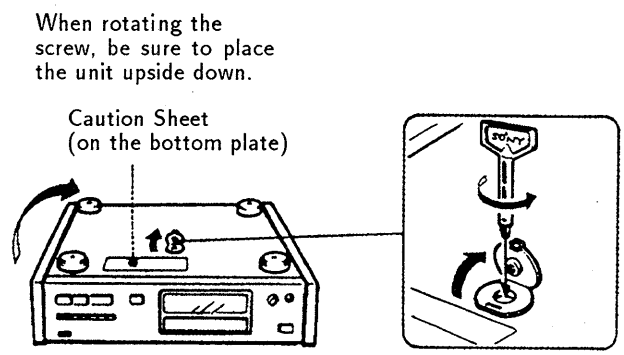
Before Use (Transportation Screw)

Before starting any operation, be sure to release the transportation screw (for protection of the laser pickup and internal mechanism) located on the bottom of the unit. Turn this screw in the direction of the arrow, following the Caution Sheet attached to the bottom plate. To release the transportation screw, open the cap and turn the screw counterclockwise 180 degrees **using the provided screwdriver**. Be careful not to turn screw too far, as it could damage the internal mechanism or cause a malfunction.

Before transporting this unit, tighten the screw firmly.



SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

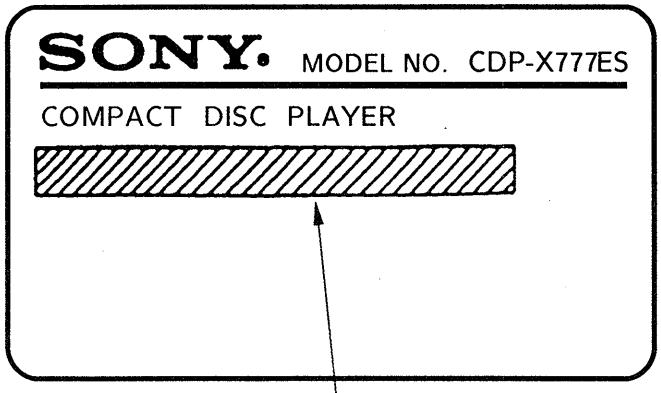
ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1
SERVICING NOTE

MODEL IDENTICATION

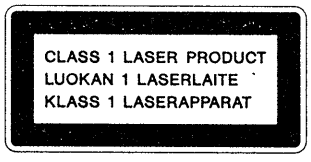
- Specification Label Printed on Back Panel -



US/Canadian Model : AC 120V 60Hz 30W

AEP Model : AC 220 - 230V ~ 50/60Hz

UK/Australian Model : AC 240V ~ 50/60Hz



This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

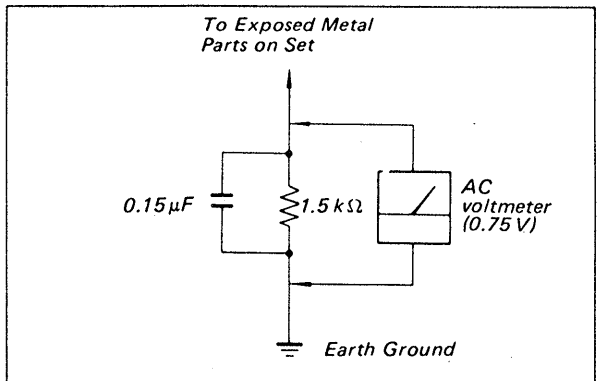


Fig. A. Using an AC voltmeter to check AC leakage.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs a laser. Therefore, be sure to follow carefully the instructions below when servicing.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

1. Laser Diode Properties
   - Material: GaAlAs
   - Wavelength: 780 nm
   - Emission Duration: continuous
   - Laser Output: max. 44.6 μW*
     * This output is the value measured at a distance of about 200 mm from the objective lens surface on the Optical Pick-up Block.

2. During service, do not take the Optical Pick-up Block apart, and do not adjust the APC circuit. If there is a breakdown in the APC circuit (including laser diode), replace the entire Optiocal Pick-up Block (including APC borad).

BESKYTTELSE AF ØJNE MOD LASERSTRÅLING UNDER SERVICE

I dette apparat anvendes laserlys. Derfor skal nedenstående instruktioner nøje følges under service.

Følg iøvrigt instruktionerne i servicemanualen.

ADVARSEL!!

Under service må øjnene ikke komme nær objektiv-linsen på den optiske pick-up enhed. I tilfælde af at det er nødvendigt at kontrollere udsendelsen af laserlys, skal det ske i en afstand af mere end 25 cm fra den optiske pick-up.

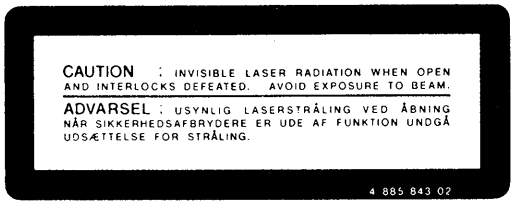
1. Laser-didoe data
   - Materiale: GaAlAs
   - Bølgelængde: 780 nm
   - Udstråling: Kontinuerlig
   - Laseroutput: Max. 0,4 mW*
     * Målt i 1,6 mm afstand fra overfladen af objektivlinsen på den optiske pick-up enhed.
   - Klassifikation: Klasse IIIb.

2. Adskil aldrig den optiske pick-up enhed under service, og juster ikke APC kredsløbet (Automatic Power Control). Hvis APC kredsløbet (incl. laserdioden) bryder ned, skal hele den optiske pick-up enhed (incl. APC printkortet) udskiftes.

LASER ADVARSEL MÆRKNING

Følgende mærkning findes indvendig i apparatet:

1. Advarsel Mærkning


CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.
ADVARSEL : USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION UNDGÅ UDSÆTTELSE FOR STRÅLING.
4 885 843 02

VAROITUS: Laite sisältää, laserdiodin, joka lähettää (näkymätöntä) silmille vaarallista lasersateilyä.

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASS UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe more than 25 cm away from the objective lens.

LASER DIODE AND FOCUS SEARCH OPERATION CHECK

1. Remove disc pully by lifting up chucking arm by hand. (Fig. A, B)
2. Make POWER switch on with no disc inserted and disc table closed.
3. Confirm that the operation indicated in Fig. C is performed while observing the objecting lens.

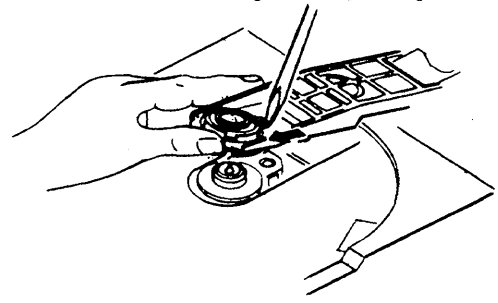


Fig. A

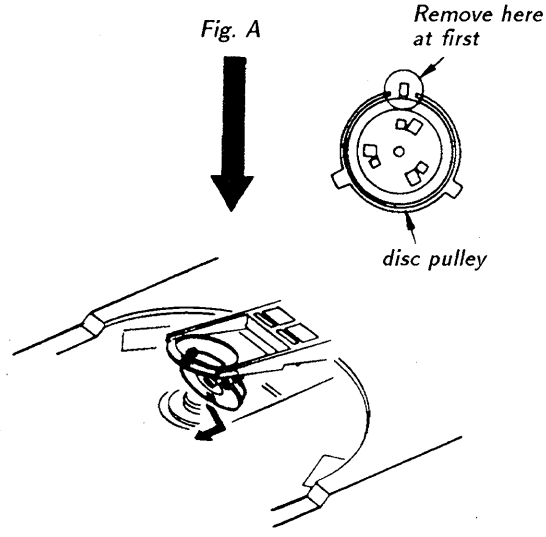


Fig. B

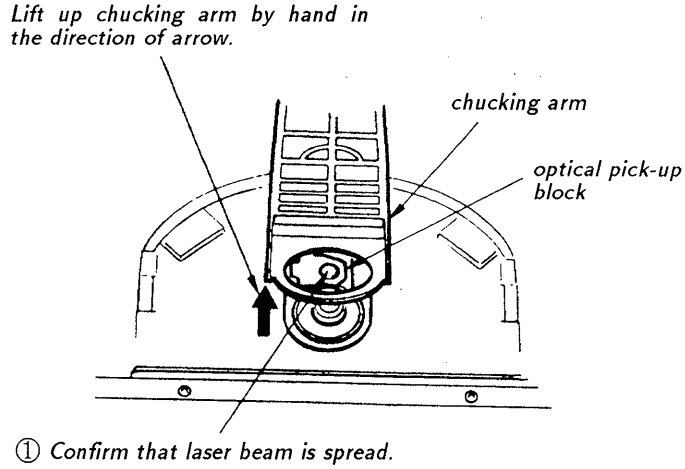
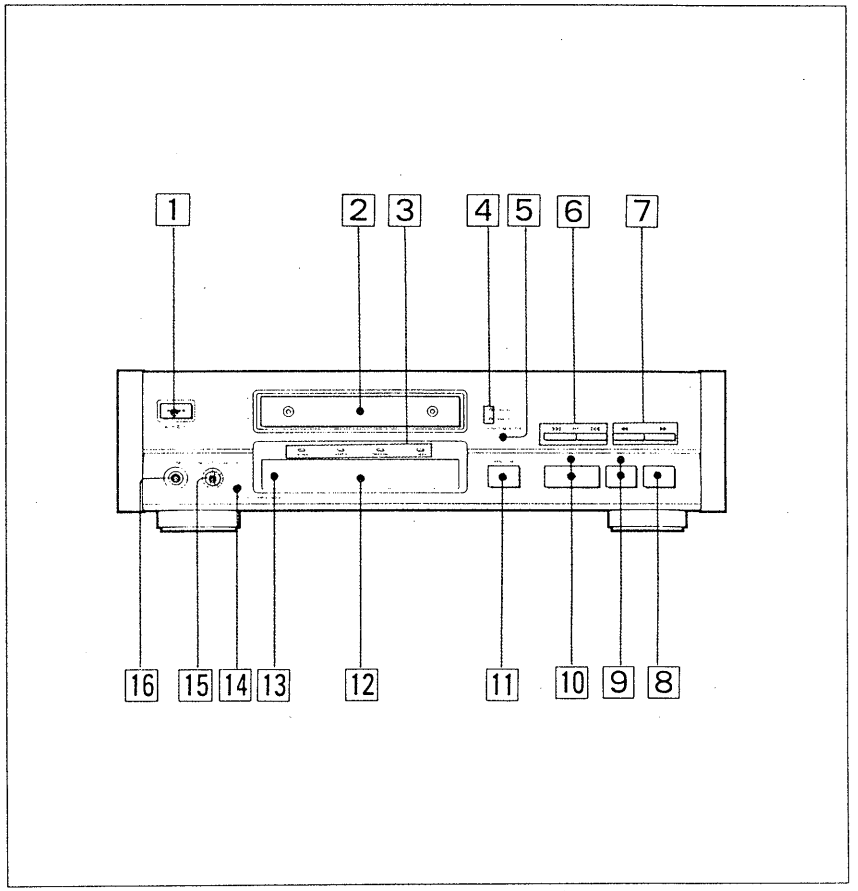

Lift up chucking arm by hand in the direction of arrow.
chucking arm
optical pick-up block
① Confirm that laser beam is spread.
② Up and down motion of the objective lens. (3 times)

Fig. C

2-1. LOCATION AND FUNCTION OF CONTROLS



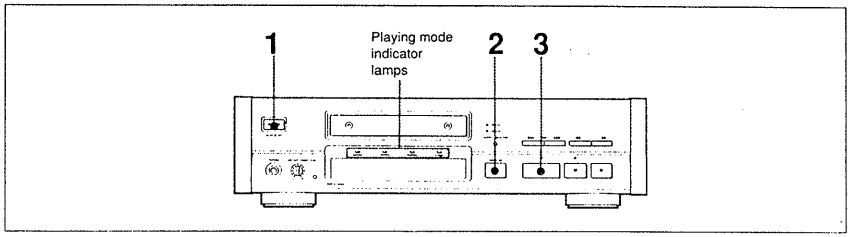
UK model is not equipped with side panels.

Name of control	Operation
[1] POWER switch	Depress to turn on the power.
[2] Disc table	Place a disc here.
[3] Playing mode indicator lamps	The lamp of the current play mode lights up.
[4] Output indicator lamp	The lamp of the output you chose with the OUTPUT SELECTOR lights up.
[5] OUTPUT SELECTOR button	Select analog output or digital output with this selector.
[6] ⏮ AMS* ⏭ buttons	Use these buttons to designate the selection number to be played. During play, each time the ⏮ button is pressed, the beginning of the current selection, then the beginning of the previous selection is located in sequence. (Each time the ⏭ button is pressed, the beginning of the next selection is located in the same way.) When the ⏮ or ⏭ button is kept pressed, the selections are skipped continuously.
[7] ◀◀ ▶▶ (manual search) buttons	Use these buttons to play from the desired point of a selection. To go back, keep ◀◀ pressed, and to go ahead, keep ▶▶ pressed. When the ◀◀ or ▶▶ button is pressed in the pause mode, a quick search operation can be activated.
[8] ■ (stop) button	Press to stop the play.
[9] II (pause) button/lamp	Press to stop the play momentarily. Press ▶ button or this button to release pause.
[10] ▶ (play) button/lamp	Press to start the play or to release pause.
[11] ⏏ OPEN/CLOSE button	Press to open or close the disc table.
[12] Display window	The current play mode, the track number of the selection, and the elapsed playing time of the selection, etc., are displayed here.
[13] Remote sensor	The signals from the remote commander are received here.
[14] DISPLAY MODE button	Press to switch off the display. Press once more to display the indications again.
[15] LINE OUT/PHONE LEVEL (volume) control	Use this control to adjust the level of headphones and the output level of the line out (VARIABLE).
[16] PHONES jack	Connect headphones here.

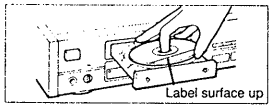
* AMS is the abbreviation of Automatic Music Sensor.

This section is extracted from instruction manual.

2-2. PLAYING A DISC



1 Depress the POWER switch to ON.
The playing mode indicator lights up. If an indicator other than CONTINUE lights up, press the CONTINUE/SINGLE button on the remote commander. If CONTINUE lamp lights up and "SINGLE" appears in the window, press the CONTINUE/SINGLE button again and "SINGLE" will disappear.



2 Press ≜ button and place a disc on the disc table.

3 Press ► button.
The compartment closes and play begins from the beginning of the disc.

2-3. ADJUSTING THE VOLUME

When you use the digital output or balanced output connection or make the connection to the FIXED jack for analog use

Adjust the volume with the volume control of an amplifier. You cannot control the volume with the LINE OUT/PHONE LEVEL control on the player or LINE OUT LEVEL +/– on the remote commander.

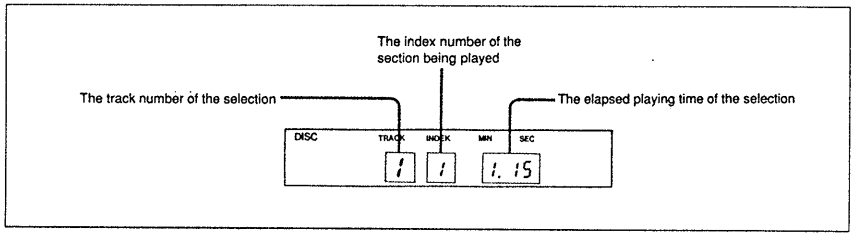
When you make the connection to the VARIABLE side for analog use

You can control the volume with the LINE OUT/PHONE LEVEL control on the player or LINE OUT LEVEL +/– on the remote commander.

Note on 8 cm CD
You can play an 8 cm (3 inch) CD on the inside circle of the table. Do not put a normal CD (size of 12 cm (5 inch)) over it.

To wake up to your favorite music (Timer play)
Leave a disc in the player before you turn the power off. When you turn the power back on, the player will automatically play the disc according to the conditions before the power was turned off. You can also play a program of selections by making a program bank. (see page 26.) By connecting a commercially available timer, you can have the player wake you up to your favorite music.

2-4. TIME DISPLAY DURING PLAY

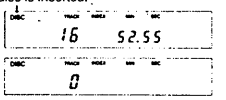


To display the total number of selections and the total playing time

After a disc is placed on the disc table, and the ≜ button is pressed to close the disc table, the total number of selections (tracks) on the disc and the total playing time will be displayed for several seconds.
The player will enter the STOP mode a few seconds later.

If you press the TIME button while in STOP mode, the total number of selections and total playing time is shown in the window.

"DISC" appears when a disc is inserted.

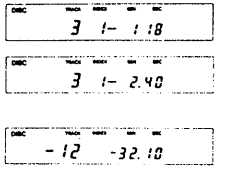


To display time remaining until the end of the disc

During play, press the TIME button on the remote commander. When this button is pressed once, the remaining time of the currently playing selection is displayed.
If the current track number is over 40, "– – – –" is displayed.

When it is pressed again, the total remaining time until the end of the disc will be displayed.

Press the TIME button once more to resume the normal display.



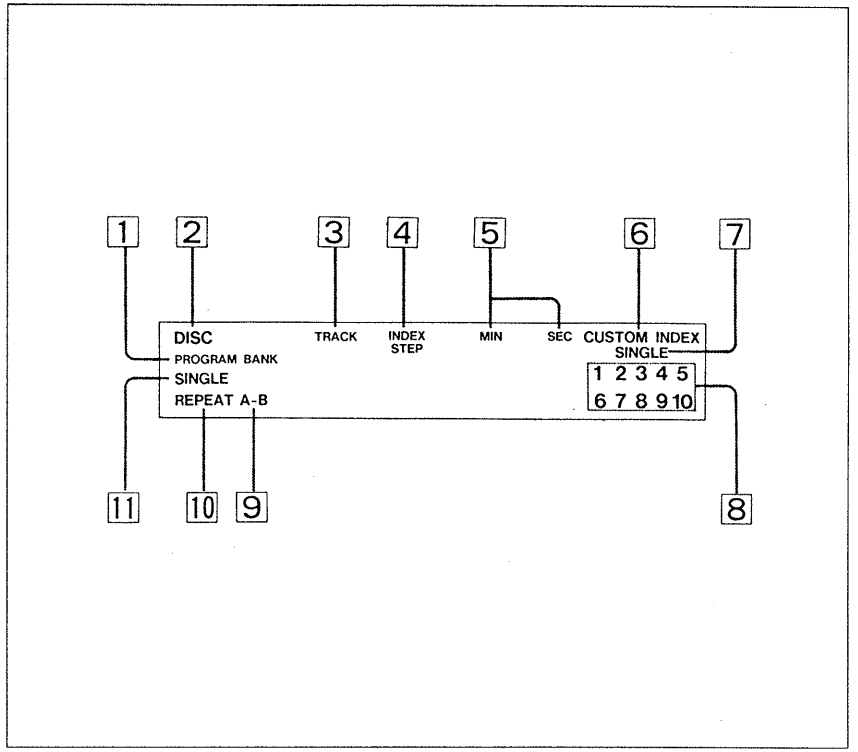
To turn the display off

Press DISPLAY MODE once.
The display will turn off even during playback.

Press once more to display the indications again.

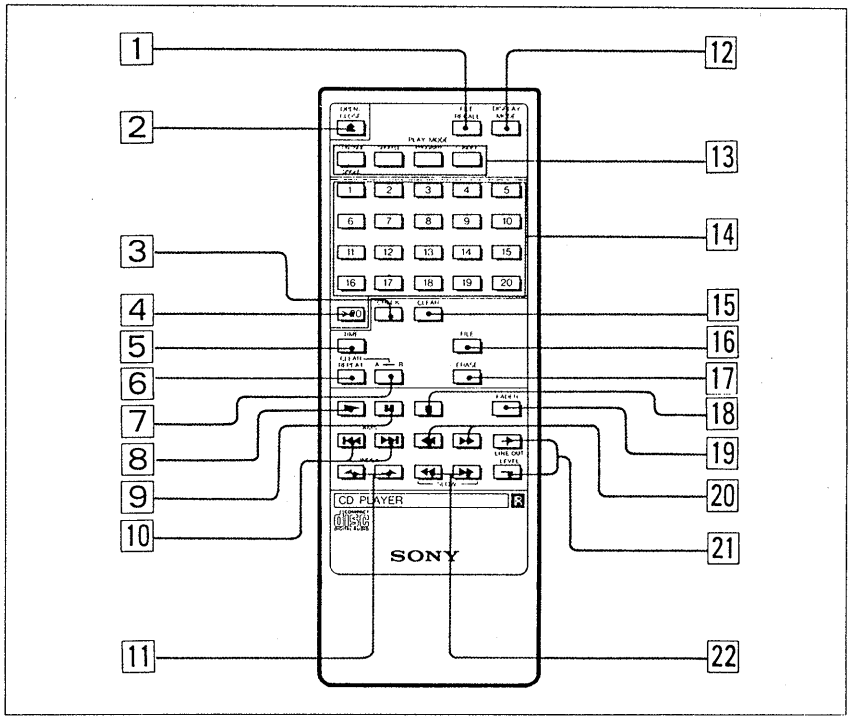
Even when no indications appear in the window, any operations made directly on the player will be shown in the window for about one second.

2-5. INFORMATION DISPLAY



Indication	Meaning
[1] **PROGRAM BANK**	The program bank is stored.
[2] **DISC**	A disc is inserted.
[3] **TRACK**	The track number of the selection is displayed.
[4] **INDEX**	While "INDEX" is lit, the index number of the section being played is displayed. When the custom index is stored, the custom index number is displayed while the custom index is played.
STEP	During program play, "STEP" is lit and the program number of the selection is displayed.
[5] **MIN/SEC**	The elapsed playing time of the selection, the remaining time of the currently playing selection, and the total remaining time until the end of the disc are displayed with each press of the TIME button.
[6] **CUSTOM INDEX**	The custom index is stored, and the playing mode is the custom index mode.
[7] **CUSTOM INDEX SINGLE**	The playing mode is the custom index single mode.
[8] **1 ~ 10**	The custom index number is displayed while custom index is played.
[9] **REPEAT A — B**	A ↔ B repeat is being played.
[10] **REPEAT**	The unit is in the repeat play mode.
[11] **SINGLE**	The unit is in the single play mode.

2-6. LOCATION AND FUNCTION OF CONTROLS
(The Remote commander)



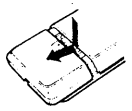
[1] **FILE RECALL button**	Press to recall the program bank.
[2] **≜ (open/close) button**	Press to open or close the disc table.
[3] **CHECK (program check) button**	Press to check the programmed contents. Use this button to cancel a custom index memory.
[4] **> 20 (over 20 button)**	Press to select a selection having a track number over 20. Then press one of the 1 to 10 buttons. In this case, the 10 button corresponds to "0". <Example> To select the 22nd selection: Press >20, then 2 and 2. To select the 30th selection: Press >20, then 3 and 10.
[5] **TIME button**	Press to change the display.
[6] **CLEAR REPEAT (repeat clear/ repeat) button**	Press to play the disc repeatedly. Press again to release repeat play.
[7] **A↔B repeat button**	Press when the required start point and stop point for repeat play are reached.
[8] **▶ (play) button**	Press to start the play or to release pause.
[9] **II (pause) button**	Press to stop the play momentarily. Press ▶ button or this button to release pause.
[10] **I◀◀ AMS ▶▶I buttons**	Use these buttons to designate the selection number to be played.
[11] **— INDEX — buttons**	Press to select the desired index number or a custom index.
[12] **DISPLAY MODE button**	Press to turn off all the indications. Press to display the indications again.
[13] **PLAY MODE buttons**	Press to select the desired play mode. CONTINUE/SINGLE (continuous/single play) button SHUFFLE (shuffle play) button PROGRAM (program play) button C.INDEX (custom index mode) button
[14] **Numeric buttons**	Press to designate the desired selection.
[15] **CLEAR (program clear) button**	Press to cancel a programmed selection.
[16] **FILE (custom file) button**	Press to store a program or a custom index.
[17] **ERASE (memory erase) button**	Press to cancel a program bank or a custom index memory.
[18] **■ (stop) button**	Press to stop the play.
[19] **FADER (fade in/fade out) button**	Press to have the play fade in or fade out.
[20] **◀◀ ▶▶ (manual search) buttons**	Use these buttons to play from the desired point of a selection.
[21] **LINE OUT LEVEL +/– buttons**	Use these buttons to adjust the level of headphones and the output level of the LINE OUT VARIABLE.
[22] **◀◀ ▶▶ SLOW (low speed manual search) buttons**	Press to search at a lower speed.

The following operations cannot be conducted with the remote commander:
- Switching on/off the power.
- Selecting analog or digital output.

What is an index?
On some discs, index numbers divide the selections into sections, such as movements in a symphony. The index numbers help you find particular sections.

Battery installation

1



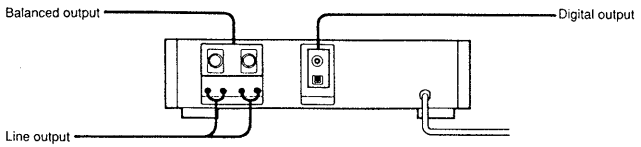
2 Insert two R6 (size AA) batteries as indicated. and then close the battery compartment cover.

Battery replacement
The service life of the batteries is about six months in normal operation. When the distance from which remote control operation is possible becomes shorter, replace both batteries with new ones.

Note on remote control operation
Make sure that the remote control signal sensor is not subject to direct sunlight or to lighting of high intensity, as this may cause malfunctioning or make remote control operation impossible.

2-7. CONNECTIONS

Before Making Connections



Balanced output

As it is hardly affected by external noise, the balanced output connector is utilised by professionals in studios and the broadcasting stations. Connect the unit to an amplifier having a balanced input jack. For the connection, use cannon connectors XLR-3-32 or equivalent.
Pin assignment of the connectors are as follows; 1: GND, 2: HOT, 3: COLD.
(For Canadian model; 1:GND, 2:COLD, 3:HOT)

Digital output

The music signal remains in digital from when transmitted for virtually signal deterioration. Use the digital output connection when you connect the unit to an amplifier with a digital input or D/A converter.
When you connect a unit using a coaxial digital connecting cord, use the digital connecting cord VMC-1ES (not supplied). When you connect using optical digital connecting cord, use the audio optical cable POC-15 (not supplied).

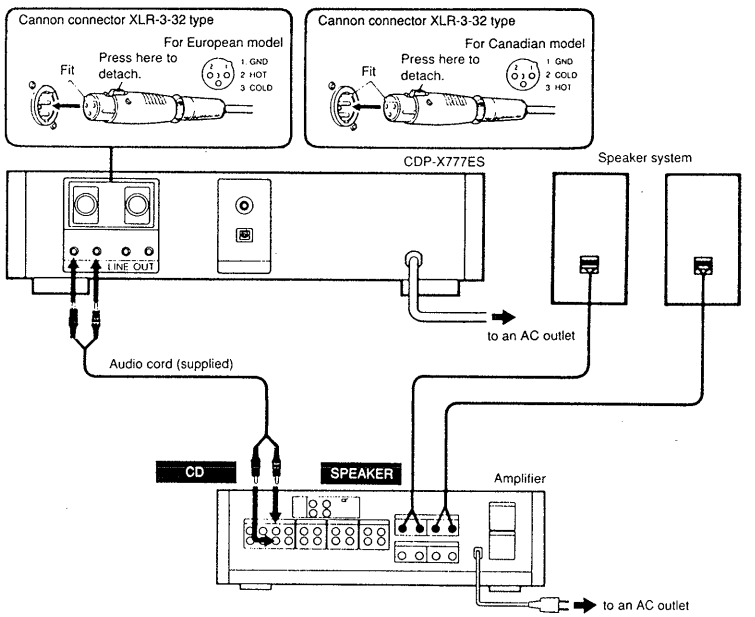
Line output

Use the line output jacks when connecting this unit for analog use.
Normally make the connection to the FIXED jack. If you use the VARIABLE jack to connect a power amplifier, you can adjust the volume with the LINE OUT/PHONE LEVEL control on the player or LINE OUT LEVEL +/– buttons on the remote commander. The LINE OUT/PHONE LEVEL control (or LINE OUT LEVEL +/– buttons on the remote commander) not only adjusts the headphones output but also the output level of of the VARIABLE LINE OUT jack. Accordingly, you can make the level of this unit correspond to that of other music sources. Be careful when recording as the recording level will change when you use the LINE OUT/PHONE LEVEL control (or LINE OUT LEVEL +/– buttons on the remote commander) .

Notes on Connection

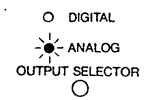
- Turn off the power of each unit before making connections.
- Connect the AC power cord last.
- Be sure to insert the plugs firmly into the jacks. Loose connection may cause hum and noise.
- Leave a little slack in the connecting cord to allow for inadvertent shock or vibration.
- Cord plugs and jacks are color coded: Red plugs and jacks are for the right channel (R) and white ones for the left channel (L).

Connecting the Unit with Analog Equipment



After Making Connection

Turn the power switch on.
Press the OUTPUT SELECTOR on the front panel of the unit to light the ANALOG lamp. The signals will be output to the analog jack.

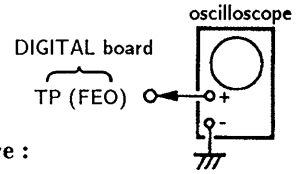


SECTION 3
ELECTRICAL ADJUSTMENTS

Note :

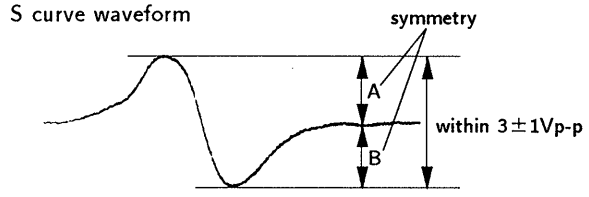
1. CD Block basically constructed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use the oscilloscope with more than 10MΩ impedance.
4. Clean an object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

S Curve Check



Procedure :

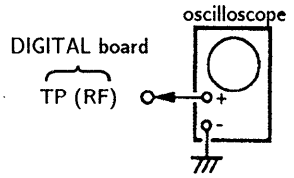
1. Connect oscilloscope to test point TP (FEO) on DIGITAL board.
2. Connect between test point TP (FES) to ground with lead wire.
3. Turned Power switch on and actuate the focus serch. (actuate the focus serch when disc table is moving in and out.)
4. Check the oscilloscope waveform (S curve) is symmetrical between A and B. And confirm peak to peak level within 3±1Vp-p.



5. After check, remove the lead wire connected in step 2.

Note : • Try to mesure several times to make sure that the ratio of A : B or B : A is more than 10 : 7.
• Take sweep time as long as possible and light up the brightness to obtain best waveform.

RF Level Check

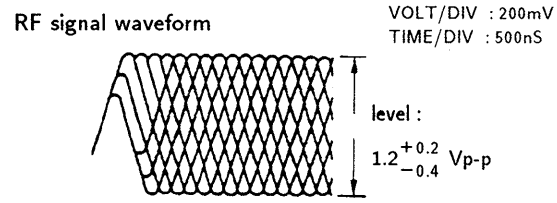


Procedure :

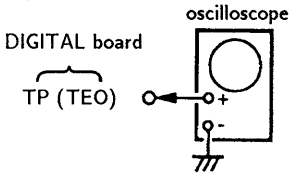
1. Connect oscilloscope to test point TP (RF) on DIGITAL board.
2. Turn Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

Note :

Clear RF signal waveform means that the shape "◇" can be clearly distinguished at the center of the waveform.

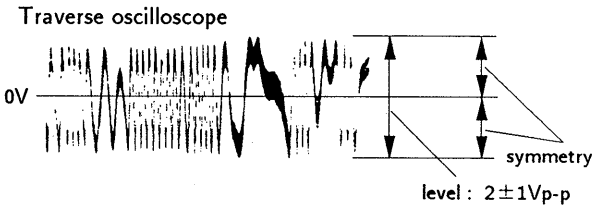


E-F Balance Check



Procedure :

1. Connect test point TP (ADJ) and TP (TES) to ground with lead wire.
2. Connect oscilloscope to test point TP (TEO) on DIGITAL board.
3. Turn Power switch on.
4. Put disc (YEDS-18) in and playback.
5. Confirm that the osilloscope waveform is symmetrical on the top and bottom in relation to 0V, and check this level.

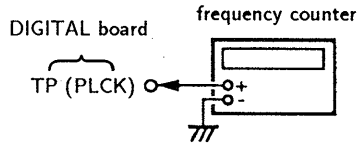


6. Remove the lead wire connected in step 1.

RF PLL Free-run Frequency Check

Procedure :

1. Connect frequency counter to test point (PLCK) with lead wire.



2. Turn Power switch on.
3. Confirm that reading on frequency counter is 4. 3218MHz.

Focus/Tracking Gain

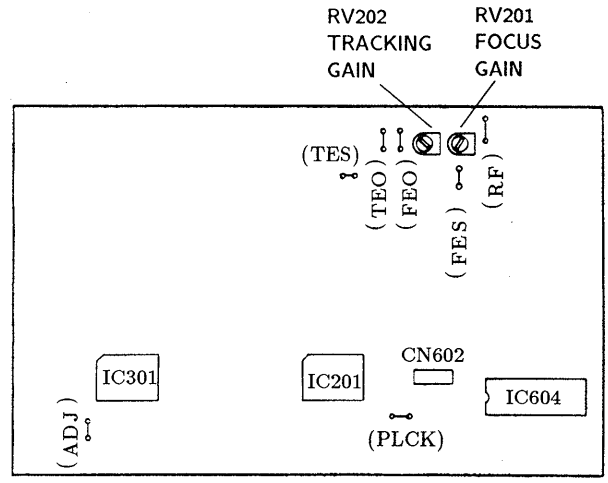
This gain has a margin, so even if it is slightly off. There is no problem.

Therefore, do not perform, this adjustment.

Please note that it should be fixed to mechanical center position when you moved and do not know original position.

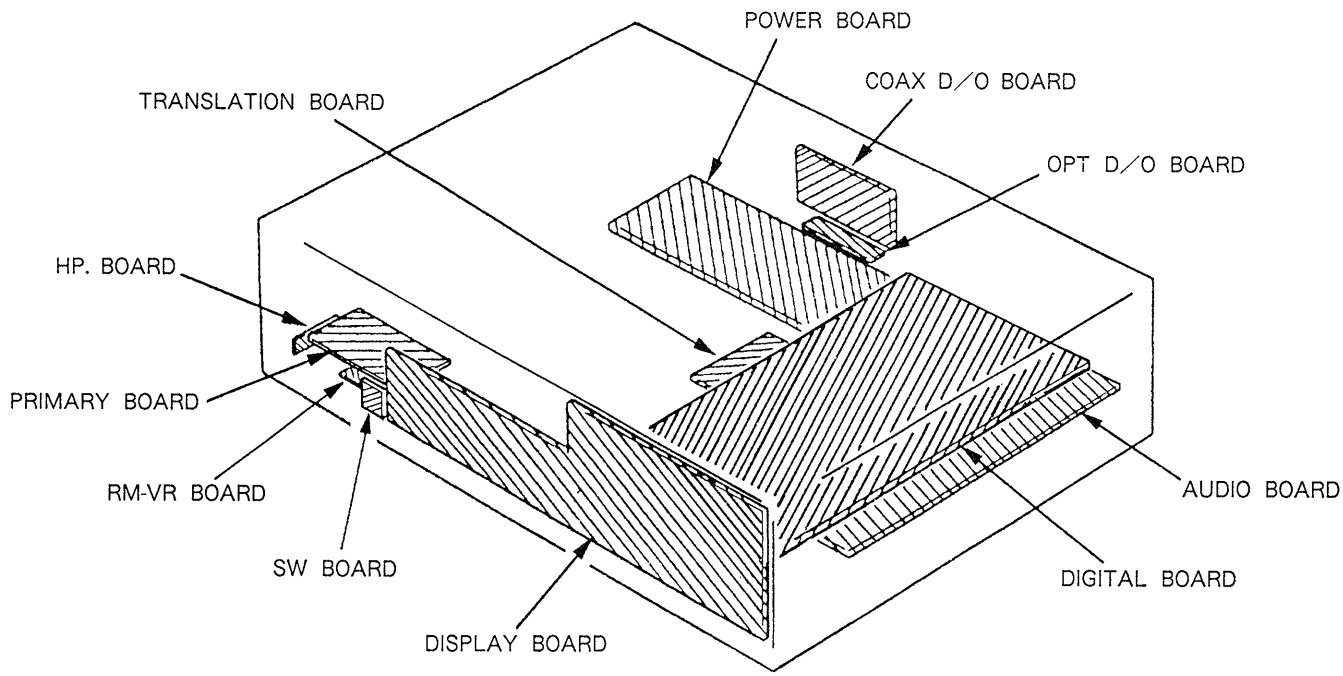
Adjustmen Locations :

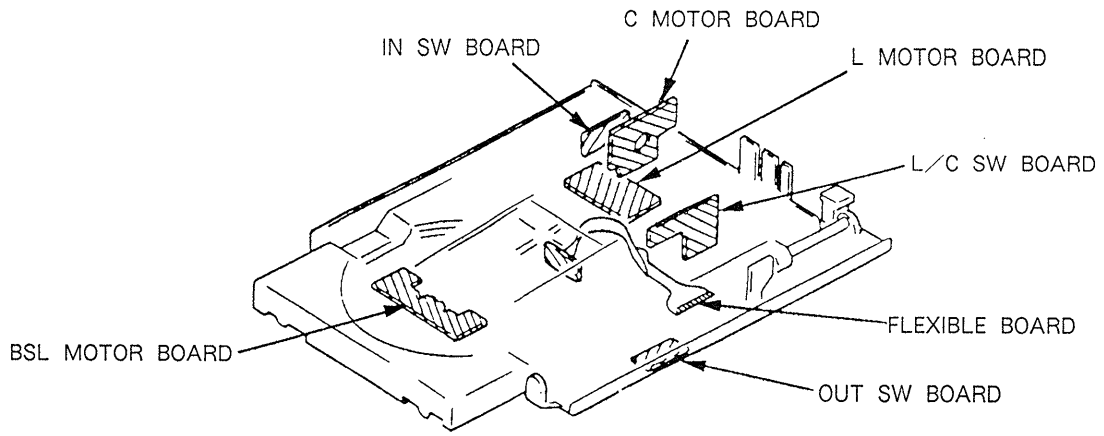
【DIGITAL BOARD】 - Component Side -



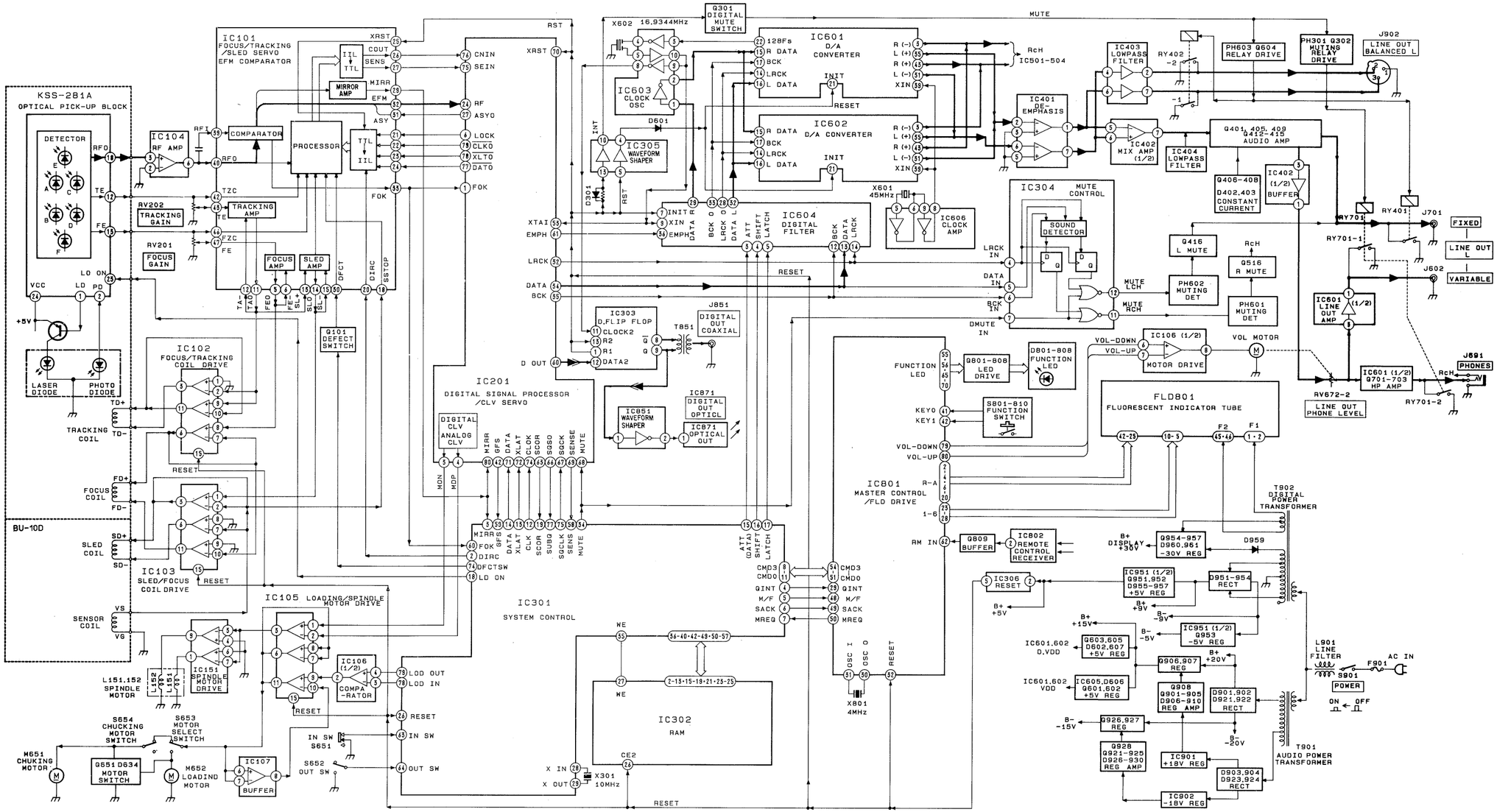
SECTION 4
DIAGRAMS

4-1. CIRCUIT BOARD LOCATION





4-2. BLOCK DIAGRAM



4-3. PRINTED WIRING BOARDS (DIGITAL SECTION)

• Refer to Page 36 for Semiconductor Lead Layouts.

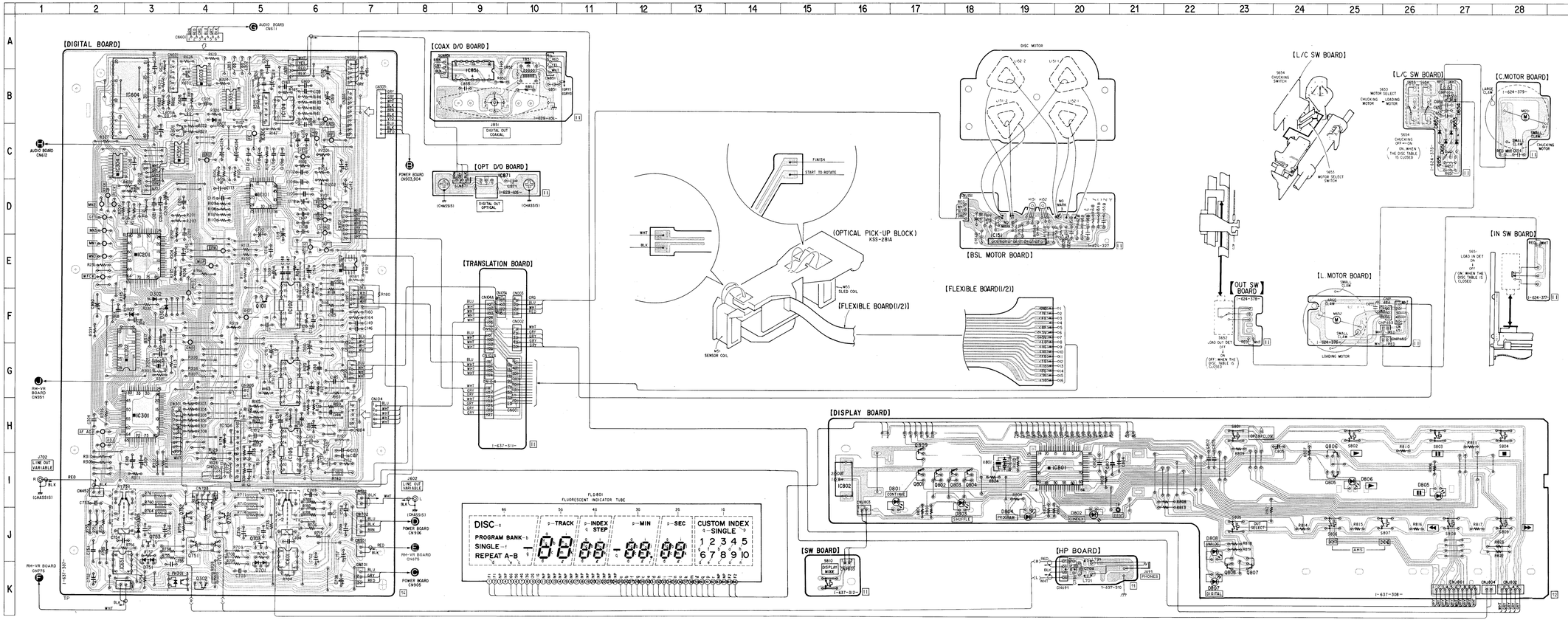
• SEMICONDUCTOR LOCATION

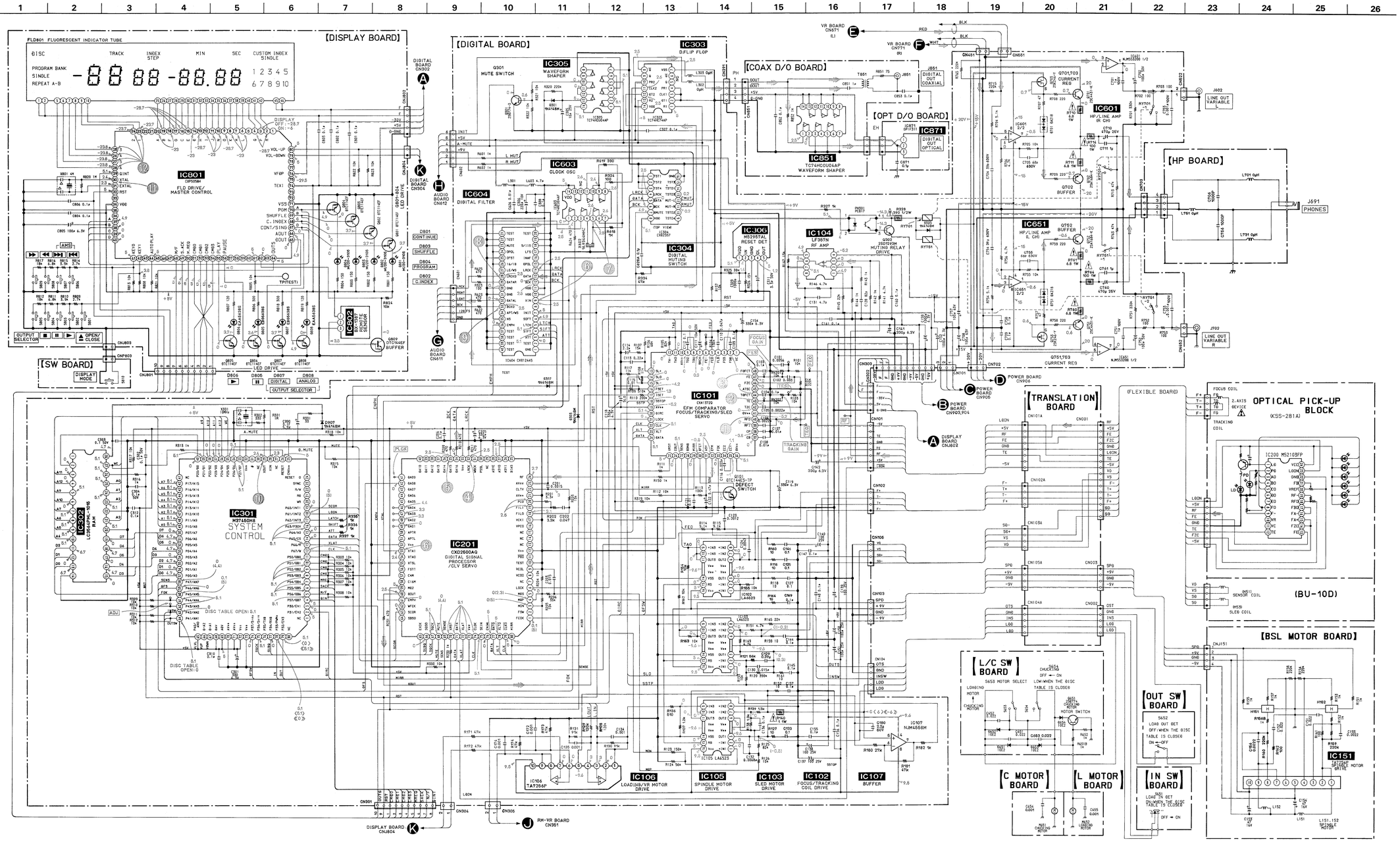
Ref. No.	Location	Ref. No.	Location
D301	B-4	IC601	K-6
D302	F-3	IC603	B-4
D303	F-3	IC604	B-3
D305	J-3	IC651	K-2
D651	C-27	IC801	I-20
D652	C-27	IC802	I-16
D653	C-27	IC851	B-9
D654	C-27	IC871	D-9
D701	K-5		
D751	K-3	PH301	K-3
D801	I-17		
D802	J-20		
D803	I-18	Q101	F-5
D804	J-19	Q301	C-3
D805	J-26	Q302	K-4
		Q651	C-27
D806	I-25	Q701	J-4
D807	K-22		
D808	J-22	Q702	J-4
D907	F-3	Q703	J-5
		Q751	J-4
		Q752	J-4
IC101	D-5	Q753	J-3
IC102	F-6		
IC103	G-6	Q801	I-17
IC104	B-5	Q802	I-17
IC105	I-6	Q803	I-18
		Q804	I-18
IC106	H-5	Q805	I-25
IC107	E-7		
IC151	E-19	Q806	I-25
IC201	E-3	Q807	K-23
IC301	H-3	Q808	K-23
		Q809	H-17
IC302	G-3		
IC303	B-4		
IC304	C-2		
IC305	C-4		
IC306	B-5		

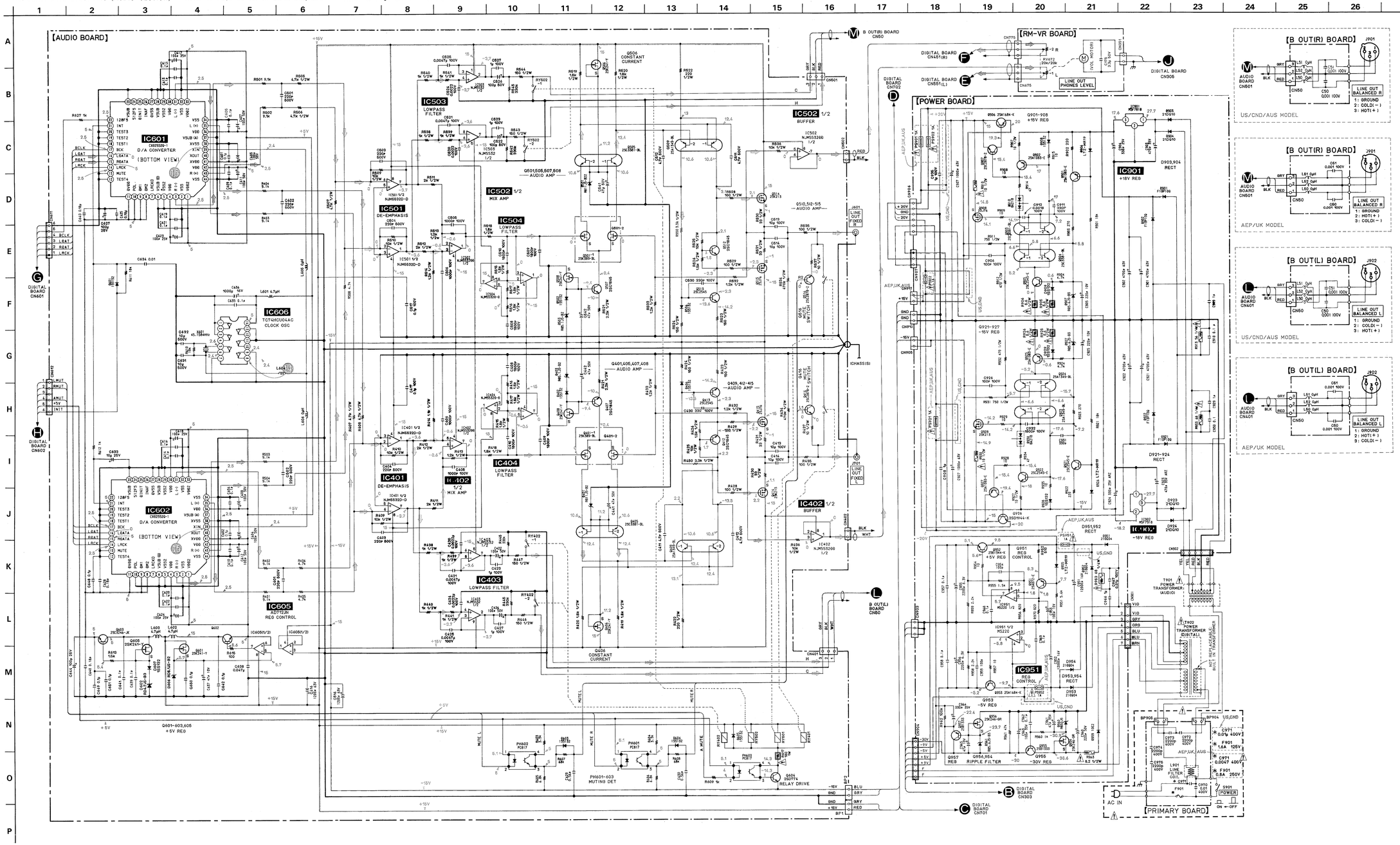
Note :

- ○—: parts extracted from the component side.
- ●—: parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.
- ▨ : Pattern on the side which is seen.

Note : CND : Canadian MODEL
AUS : Australian MODEL




【DISPLAY BOARD】
【DIGITAL BOARD】
【SW BOARD】
【COAX D/O BOARD】
【OPT D/O BOARD】
【HP BOARD】
【TRANSLATION BOARD】
【L/C SW BOARD】
【C MOTOR BOARD】
【L MOTOR BOARD】
【OUT SW BOARD】
【IN SW BOARD】
【BSL MOTOR BOARD】
OPTICAL PICK-UP BLOCK (KSS-281A)
(BU-10D)
IC801 FLD DRIVE/ MASTER CONTROL
IC301 M37450M8 SYSTEM CONTROL
IC201 CXD2600AQ DIGITAL SIGNAL PROCESSOR /CLV SERVO
IC101 CXA1372 EFM COMPARATOR FOCUS/TRACKING/SLED SERVO
IC303 D-FLIP FLOP
IC305 WAVEFORM SHAPER
IC603 CLOCK OSC
IC604 DIGITAL FILTER
IC304 DIGITAL MUTING SWITCH
IC306 MS21072A RESET DET
IC104 LF387N RF AMP
IC601 HP/LINE AMP (R CH)
IC651 HP/LINE AMP (L CH)
IC851 TC74HCGU04AP WAVEFORM SHAPER
IC871 DIGITAL OUT OPTICAL
IC602 REMOTE SENSOR
IC106 TA7266P LOADING/VR MOTOR DRIVE
IC105 SPINDLE MOTOR DRIVE
IC103 SLED MOTOR DRIVE
IC102 FOCUS/TRACKING COIL DRIVE
IC107 BUFFER
IC151 SPINDLE MOTOR DRIVE
IC200 MS2103FP
IC302 LC66516E-10E5 RAM
Q301 MUTE SWITCH
Q303 MUTING RELAY DRIVE
Q701,703 CURRENT REG
Q702 BUFFER
Q751,753 CURRENT REG
Q752 BUFFER
Q901 BUFFER
Q902 BUFFER
Q903 BUFFER
Q904 BUFFER
Q905 BUFFER
Q906 BUFFER
Q907 BUFFER
Q908 BUFFER
Q909 BUFFER
Q910 BUFFER
Q911 BUFFER
Q912 BUFFER
Q913 BUFFER
Q914 BUFFER
Q915 BUFFER
Q916 BUFFER
Q917 BUFFER
Q918 BUFFER
Q919 BUFFER
Q920 BUFFER



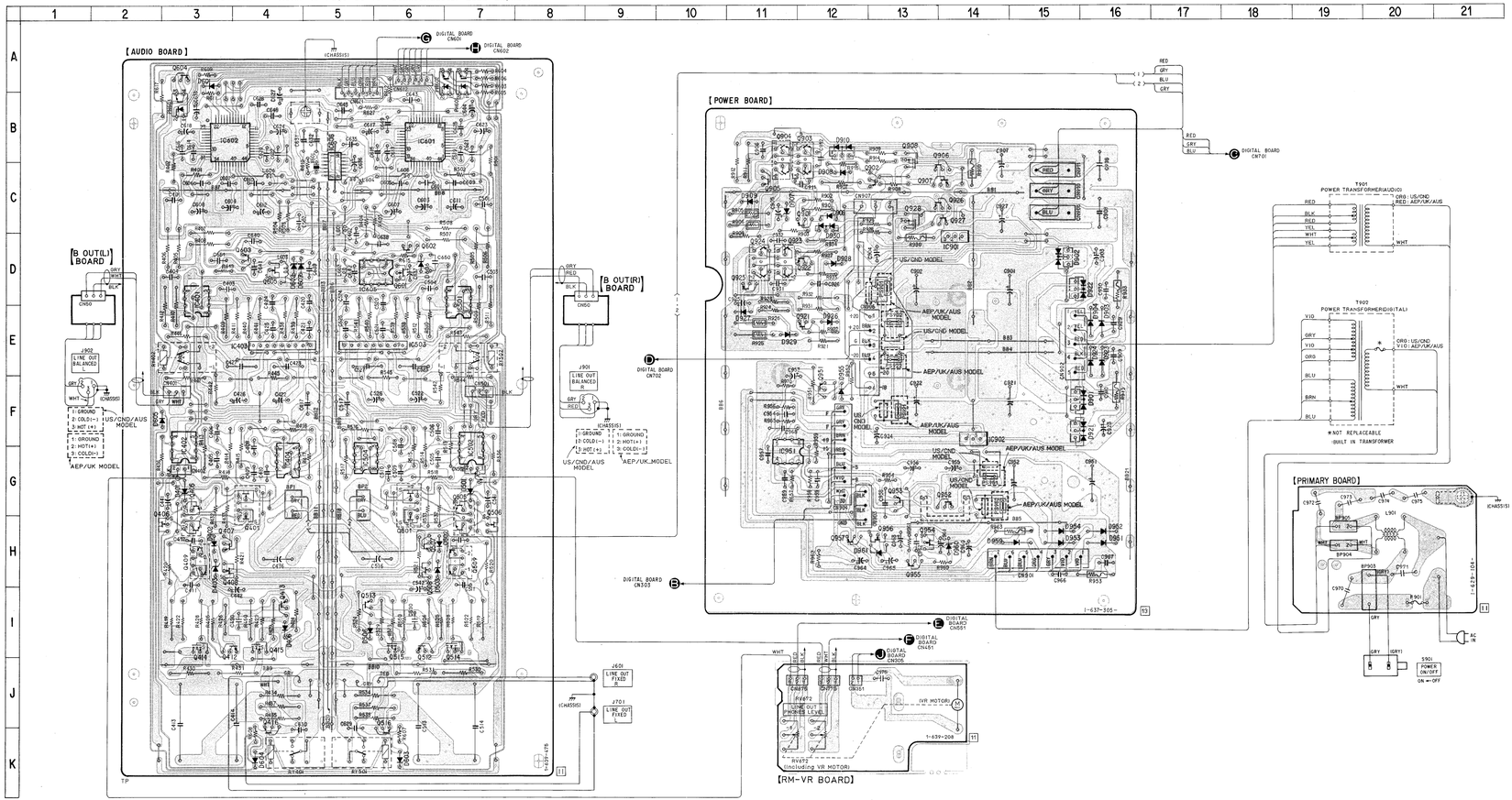
Note :

- All capacitors are in μF unless otherwise noted. pF : μμF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- △ : internal component.
- ⚡ : fusible resistor.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- ▬▬ : B+ Line
- ▬ ▬ ▬ : B− Line
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark : STOP
  ( ) : PLAY
  〈 〉 : when LOAD OUT operates
  《 》 : when LOAD IN operates
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : CD
  ⇛ : digital out

Note : CND : Canadian MODEL
AUS : Australian MODEL



• SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
D401	G-3	PH601	A-7
D402	H-3	PH602	A-7
D403	H-3	PH603	B-3
D406	I-4		
D501	G-7		
		Q401	G-4
D502	H-6	Q405	G-3
D503	H-6	Q406	H-3
D506	I-5	Q407	H-3
D601	A-3	Q408	H-3
D602	D-4		
		Q412	I-3
D603	K-6	Q413	I-4
D604	K-4	Q414	I-3
D605	F-3	Q415	I-4
D606	D-6	Q416	J-4
D607	D-4		
		Q501	G-6
D901	F-16	Q505	G-7
D902	D-15	Q506	H-7
D903	E-16	Q507	H-6
D904	E-16	Q508	H-6
D906	C-12		
		Q509	H-7
D907	C-11	Q512	I-6
D908	C-12	Q513	I-5
D909	C-11	Q514	I-7
D910	B-12	Q515	I-6
D921	F-16		
		Q516	K-6
D922	D-15	Q601	D-6
D923	E-16	Q602	D-6
D924	E-16	Q603	D-4
D926	E-12	Q604	A-3
D927	E-11		
		Q605	D-4
D928	D-12	Q901	C-12
D929	E-11	Q902	C-13
D930	C-12	Q903	B-12
D951	H-16	Q904	B-11
D952	H-16		
		Q905	C-11
D953	H-15	Q906	C-14
D954	H-15	Q907	C-14
D955	F-12	Q908	B-13
D959	H-15	Q921	E-12
D960	H-14		
D961	H-13	Q922	D-12
		Q923	D-11
		Q924	D-11
IC401	D-3	Q925	D-11
IC402	G-3	Q926	C-14
IC403	E-4		
IC404	G-4	Q927	C-14
IC501	D-7	Q928	C-13
		Q951	F-12
IC502	G-7	Q952	G-14
IC503	E-6	Q953	G-13
IC504	G-5		
IC601	B-6	Q954	H-13
IC602	B-3	Q955	H-13
		Q956	H-13
IC605	D-6	Q957	H-12
IC606	B-5		
IC901	D-14		
IC902	F-14		
IC951	G-11		

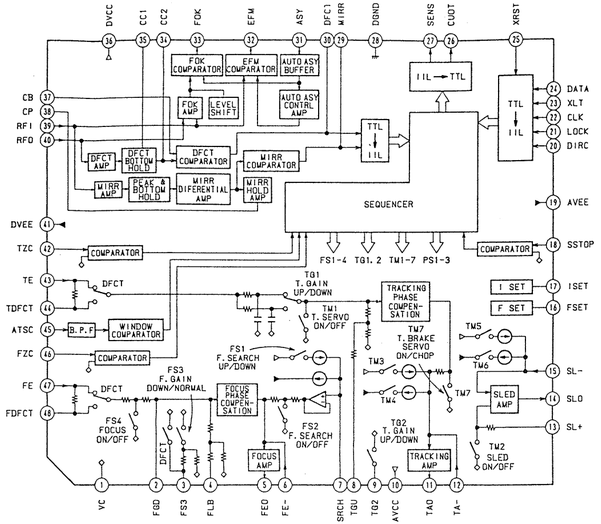
Note :

- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.
- ▒▒ : Pattern on the side which is seen.

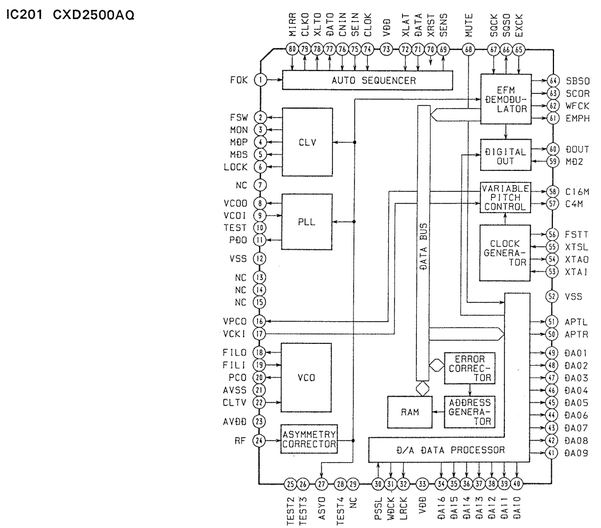
Note : CND : Canadian MODEL
AUS : Australian MODEL

• IC BLOCK DIAGRAMS

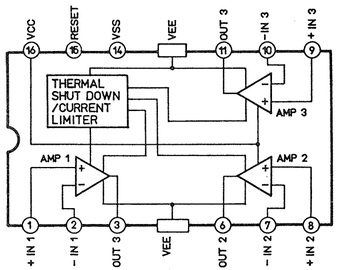
IC101 CXA1372Q



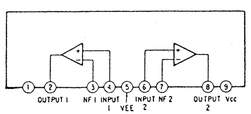
IC201 CXD2500AQ



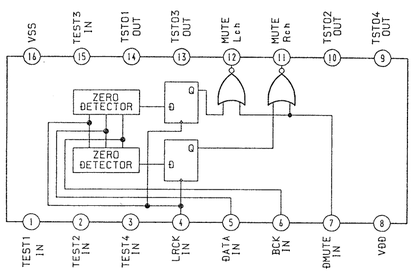
IC102, 103, 105 LA6523



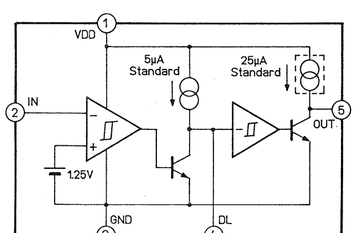
IC151 TA7256P



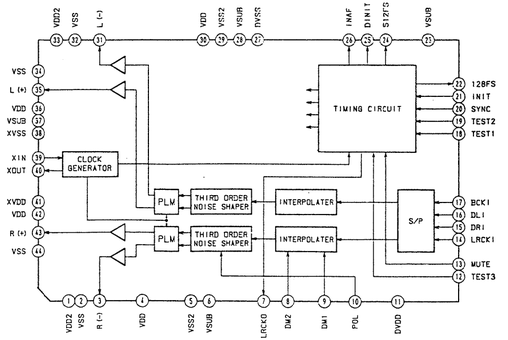
IC304 CXD2557M



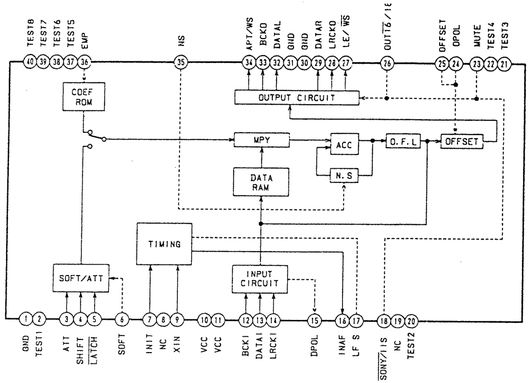
IC306 M51957AL



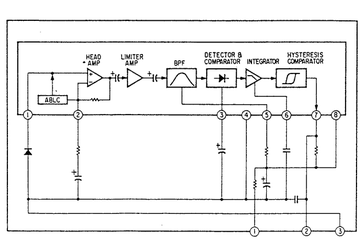
IC601A, 602 CXD2552Q-1



IC604 CXD1244S



IC802 BX-1387



● WAVEFORMS

❶ during playing — 1.2Vp-p

❷ during playing — 0V — approx 0.14Vp-p

❸ during playing — approx 50mVp-p

❹ 22μsec — 4.8Vp-p

❺ 0.48μsec — 4.8Vp-p

❻ 60nsec — 3.4Vp-p

❼ 0.06μsec — 1Vp-p

❽ 3μsec — 5Vp-p

❾ 0.12μsec — 5Vp-p

❿ 0.1μsec — 5Vp-p

⓫ 0.25μsec — 4Vp-p

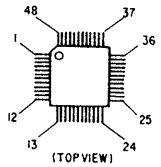
⓬ 1.5msec — 35Vp-p

⓮ 0.022μsec — 4.2Vp-p

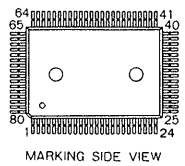
⓯ 0.022μsec — 3Vp-p

• SEMICONDUCTOR LEAD LAYOUTS

CXA1372Q

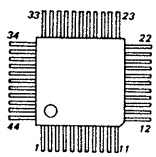


CXD2500AQ
CXP5058H-655Q
M37450M8-376FP



MARKING SIDE VIEW

CXD2552Q-1



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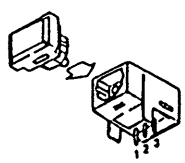

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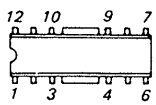

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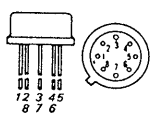

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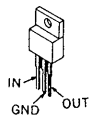

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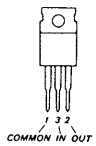

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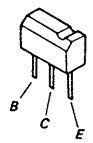

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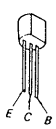

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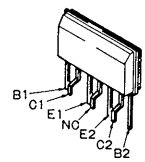

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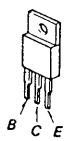

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2SJ76
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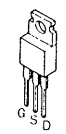

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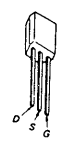

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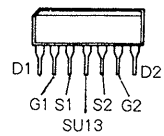

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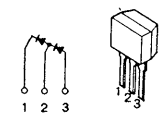

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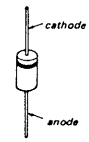

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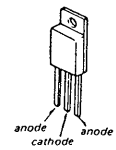

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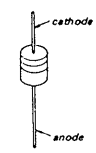
RD5.1JS-B1
RD5.6JS-B1
RD11JS-B2
1SS202-1
1SS120



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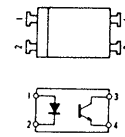

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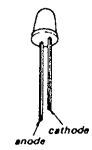

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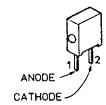


SECTION 5
EXPLODED VIEWS

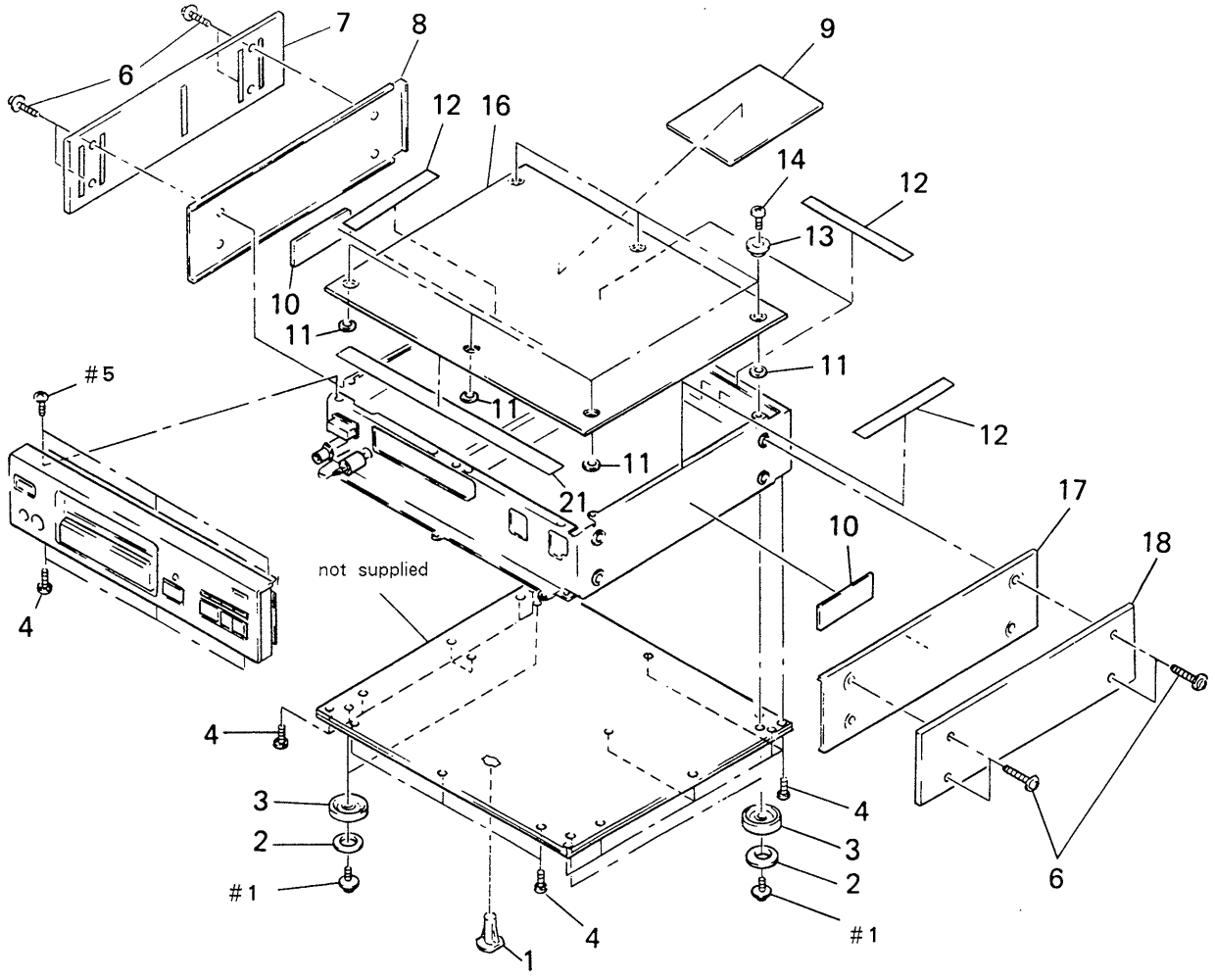
NOTE:

- −XX, −X mean standardized parts, so they may have some differences from the original one.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Color indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE)....(RED)
  ↑ ↑
  Parts color Cabinet's color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

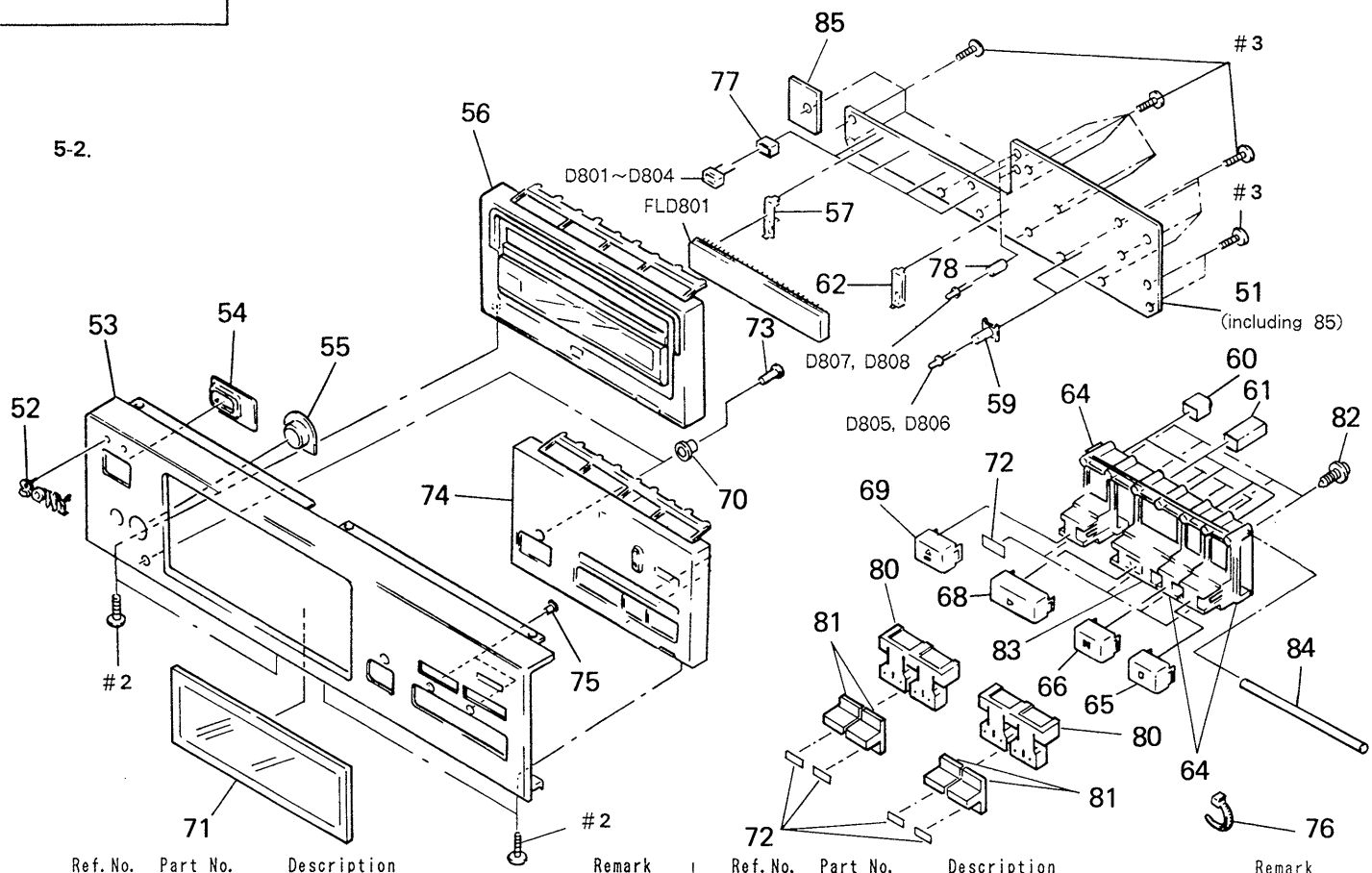
5-1.



Ref. No.	Part No.	Description	Remark
1	* 4-922-553-01	PLATE, LOCK, TRANSPORT	
2	4-935-912-01	FOOT (CUSHION)	
3	4-928-028-21	BASE, FOOT (GOLD) (AEP/GOLD, Canadian)	
3	4-928-028-01	BASE, FOOT (EXCEPT Canadian, AEP/GOLD)	
4	4-929-074-01	SCREW (+BVTT 3X8)	
6	4-885-979-11	SCREW (4X25) (EXCEPT UK)	
7	X-4941-168-1	PLATE (L) ASSY, ORNAMENTAL SIDE (Canadian, AEP/GOLD)	
7	X-4941-204-1	PLATE (L) ASSY, ORNAMENTAL SIDE (EXCEPT Canadian) (AEP/GOLD)	
7	X-4941-206-1	PRATE (L) ASSY, ORNAMENTAL SIDE (US, AUS)	
8	* 4-928-061-31	PLATE (LEFT), SIDE (GRAY) (Canadian, AEP/GOLD)	
9	4-913-188-11	FELT (C), ACOUSTIC ABSORBENT	
10	* 4-923-562-01	CUSHION	
11	* 4-923-581-01	SPACER	
12	3-831-441-11	SPACER	

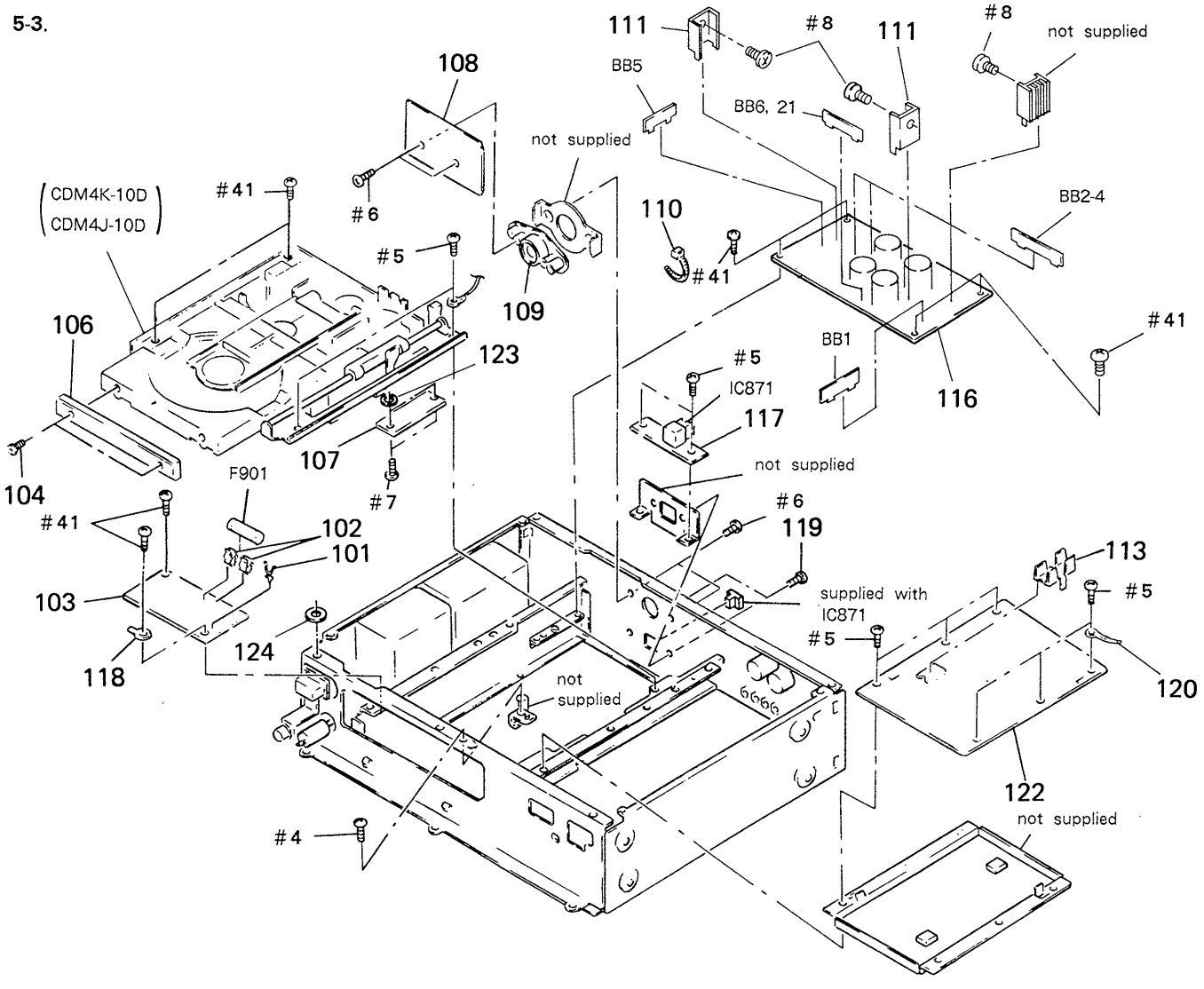
Ref. No.	Part No.	Description	Remark
13	4-928-025-21	ESCUTCHEON (TOP PLATE) (GOLD) (Canadian, AEP/GOLD)	
13	4-928-025-01	ESCUTCHEON (TOP PLATE) (BLACK) (EXCEPT Canadian, AEP/GOLD)	
14	4-924-242-11	SCREW (M3X6), FLAT HEAD	
16	* 4-928-020-11	PLATE, TOP (GOLD) (Canadian, AEP/GOLD)	
16	* 4-928-020-01	PLATE, TOP (BLACK) (EXCEPT Canadian, AEP/GOLD)	
17	* 4-928-062-31	PLATE (RIGHT), SIDE (GRAY) (AEP/GOLD, Canadian)	
18	X-4941-205-1	PRATE (R) ASSY, ORNAMENTAL SIDE (AEP/BLACK)	
18	X-4941-207-1	PRATE (R) ASSY, ORNAMENTAL SIDE (US, AUS)	
18	X-4941-169-1	PLATE (R) ASSY, ORNAMENTAL, SIDE (AEP/GOLD, Canadian)	
21	3-831-441-XX	TAPE	

5-2.



Ref. No.	Part No.	Description	Remark
51	* A-4617-749-A	DISPLAY BOARD, COMPLETE (INCLUDING SW BOARD)	
52	4-908-848-21	EMBLEM, SONY (GOLD) (Canadian, AEP/GOLD)	
52	4-908-848-01	EMBLEM, SONY (SILVER) (EXCEPT Canadian, AEP/GOLD)	
53	4-935-957-02	PANEL, FRONT (BLACK) (AEP/BLACK)	
53	4-935-957-11	PANEL, FRONT (GOLD) (AEP/GOLD)	
53	4-935-957-22	PANEL, FRONT (BLACK) (UK)	
53	4-935-957-32	PANEL, FRONT (BLACK) (US, AUS)	
53	4-935-957-41	PANEL, FRONT (GOLD) (Canadian)	
54	4-928-038-01	ESCUTCHEON (POWER) (BLACK) (EXCEPT Canadian, AEP/GOLD)	
54	4-928-038-11	ESCUTCHEON (POWER) (GRAY) (Canadian, AEP/GOLD)	
55	4-942-459-11	ESCUTCHEON, KNOB (GRAY) (Canadian, AEP/GOLD)	
55	4-942-459-01	ESCUTCHEON, KNOB (BLACK) (EXCEPT Canadian, AEP/GOLD)	
56	X-4941-201-1	BASE ASSY, PANEL (GOLD) (Canadian, AEP/GOLD)	
56	X-4941-202-1	BASE ASSY, PANEL (BLACK) (EXCEPT Canadian, AEP/GOLD)	
57	* 4-928-053-01	HOLDER (LEFT)	
59	* 4-913-139-01	SPACER (A) LED	
60	9-911-846-XX	CUSHION	
61	9-911-845-XX	CUSHION	
62	* 4-928-052-01	HOLDER (RIGHT)	
64	* 4-935-951-01	BASE (S), BUTTON	
65	4-935-955-81	CAP (S), KNOB (Canadian, AEP/GOLD)	
65	4-935-955-21	CAP (S), KNOB (BLACK) (EXCEPT Canadian, AEP/GOLD)	
66	4-935-955-71	CAP (S), KNOB (GOLD) (Canadian, AEP/GOLD)	
66	4-935-955-11	CAP (S), KNOB (BLACK) (EXCEPT Canadian, AEP/GOLD)	
68	4-935-954-21	CAP (L), KNOB (GOLD) (Canadian, AEP/GOLD)	
68	4-935-954-01	CAP (L), KNOB (BLACK) (EXCEPT Canadian, AEP/GOLD)	
69	4-935-955-61	CAP (S), KNOB (GOLD) (Canadian, AEP/GOLD)	
69	4-935-955-01	CAP (S), KNOB (BLACK) (EXCEPT Canadian, AEP/GOLD)	
70	4-935-949-01	GUIDE (BUTTON)	
71	4-935-942-01	WINDOW	
72	3-831-441-11	SPACER	
73	4-928-046-21	BUTTON (DIA. 3.4) (GOLD) (Canadian, AEP/GOLD)	
73	4-928-046-01	BUTTON (DIA. 3.4) (BLACK) (EXCEPT Canadian, AEP/GOLD)	
74	* 4-935-961-11	BASE (R), PANEL (GRAY) (Canadian, AEP/GOLD)	
74	* 4-935-961-01	BASE (R), PANEL (BLACK) (EXCEPT Canadian, AEP/GOLD)	
75	4-941-214-01	INDICATOR	
76	3-655-653-21	BAND (TAITON), BINDING	
77	* 4-935-940-01	SPACER (LED)	
78	* 4-923-532-41	SPACER LED	
80	* 4-935-952-01	BASE (AMS), BUTTON	
81	* 4-935-956-21	BUTTON (AMS) (GOLD) (Canadian, AEP/GOLD)	
81	* 4-935-956-01	BUTTON (AMS) (BLACK) (EXCEPT Canadian, AEP/GOLD)	
82	4-933-134-11	SCREW (+PTPWH M2.6X8)	
83	* 4-935-950-01	BASE (L), BUTTON	
84	* 4-935-953-01	SHAFT (BUTTON)	
85	* 1-637-312-11	SW BOARD	
FLD801	1-519-480-11	INDICATOR TUBE, FLUORESCENT	

5-3.

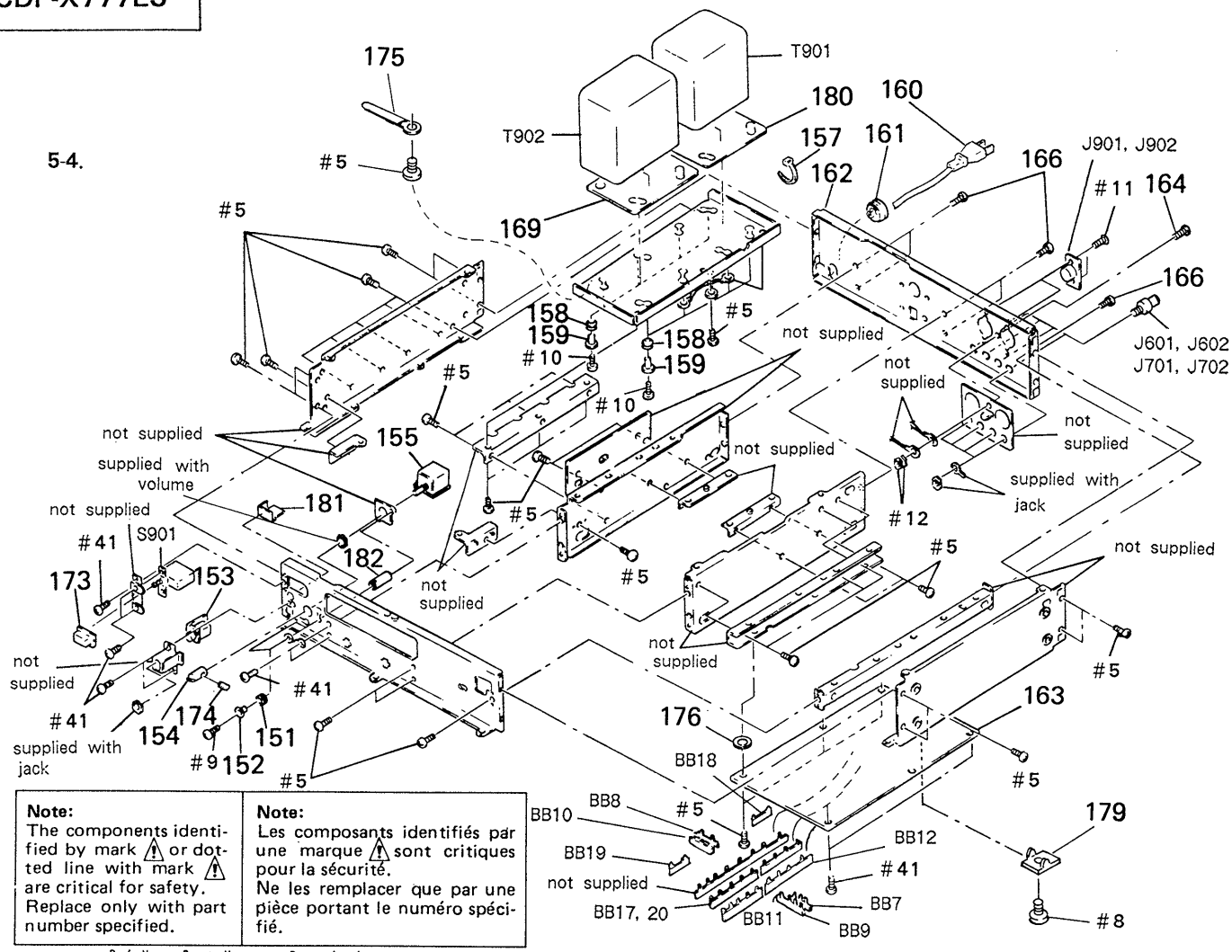


Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
101	* 1-535-688-11	TERMINAL	
102	1-533-183-11	HOLDER, FUSE	
103	* 1-629-104-11	PRIMERY BOARD	
104	4-942-333-01	SCREW, ORNAMENTAL	
106	4-935-947-01	PANEL, LOADING (BLACK) (EXCEPT Canadian, AEP/GOLD)	
106	4-935-947-21	PANEL, LOADING (GOLD) (Canadian, AEP/GOLD)	
107	* 1-637-311-11	TRANSLATION BOARD	
108	* 1-629-106-11	COAX D/O BOARD	
109	* 4-913-152-01	ESCUTCHEON, D/O	
110	3-655-653-21	BAND (TAITON), BINDING	
111	* 4-941-237-01	HEAT SINK	
113	* 4-922-525-01	HEAT SINK	
116	* A-4617-949-A	POWER BOARD, COMPLETE (EXCEPT US, Canadian)	
116	* A-4617-920-A	POWER BOARD, COMPLETE (US, Canadian)	

Ref. No.	Part No.	Description	Remark
117	* 1-629-105-11	OPT D/O BOARD	
118	4-870-539-00	PLATE, GROUND	
119	3-703-685-21	SCREW (+BV 3X8)	
120	* 3-701-822-00	HOLDER, WIRE	
122	* A-4617-750-A	DIGITAL BOARD, COMPLETE	
123	3-572-085-11	WASHER, FIBER	
124	4-926-103-01	WASHER	
BB1	* 1-566-940-11	BUS BAR 6P	
BB2	1-566-940-21	BUS BAR 3P	
BB3	1-566-940-21	BUS BAR 3P	
BB4	1-566-940-21	BUS BAR 3P	
BB5	* 1-568-130-11	BUS BAR 3P	
BB6	* 1-566-940-11	BUS BAR 6P	
BB21	* 1-566-940-11	BUS BAR 6P	
F901	⚠ 1-532-215-00	FUSE, TIME-LAG (0.8A 250V) (AEP, UK, AUS)	
F901	⚠ 1-532-742-11	FUSE, GLASS TUBE (1.6A 125V) (US, Canadian)	

5-4.



Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

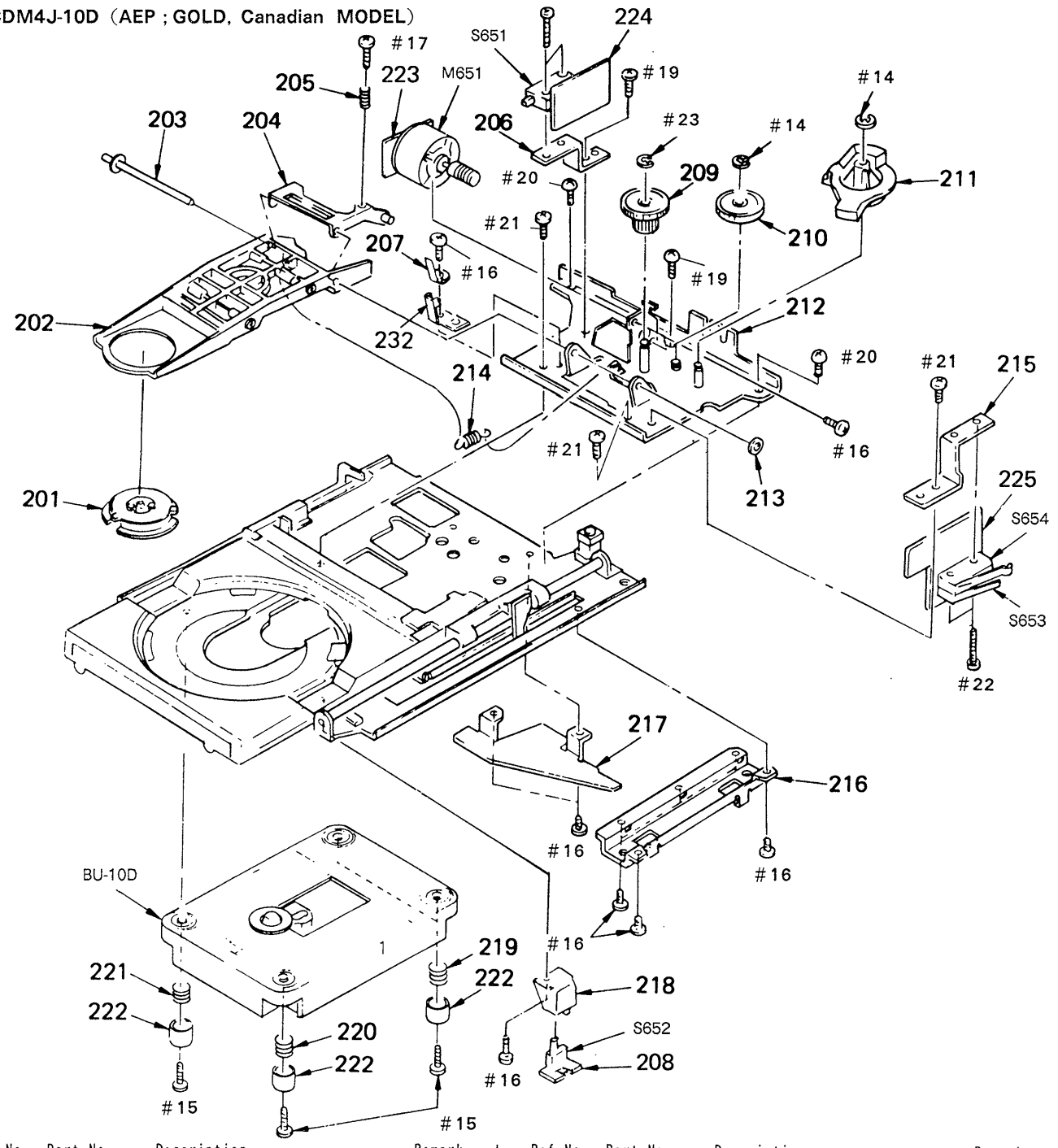
Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
151	* 4-888-798-11	BUSHING, RUBBER	
152	* 4-928-026-01	COLLAR (B)	
153	* 1-637-310-11	HB, BOARD	
154	4-942-457-12	KNOB (VOL) (GOLD) (Canadian, AEP/GOLD)	
154	4-942-457-01	KNOB (VOL) (BLACK) (EXCEPT Canadian, AEP/GOLD)	
155	* 1-639-208-11	RM-VR BOARD	
157	3-655-653-21	BAND (TAITON), BINDING	
158	* 4-888-798-00	BUSHING, RUBBER	
159	4-928-068-01	COLLAR (C)	
160	⚠ 1-559-479-11	CORD, POWER (US, Canadian)	
160	⚠ 1-558-568-11	CORD, POWER (AEP)	
160	⚠ 1-559-272-11	CORD, POWER (UK)	
160	⚠ 1-575-379-11	CORD, POWER (AUS)	
161	2-231-019-00	CLAMPER, CORD (AEP, AUS)	
161	4-916-783-01	BUSHING, CORD (US, UK, Canadian)	
162	* 4-941-069-31	PANEL, BACK (AEP/BLACK)	
162	* 4-941-069-61	PANEL, BACK (AEP/GOLD)	
162	* 4-941-069-21	PANEL, BACK (UK)	
162	* 4-941-069-71	PANEL, BACK (Australian)	
162	* 4-941-069-81	PANEL, BACK (Canadian)	
162	* 4-941-069-41	PANEL, BACK (US)	
163	* A-4617-919-A	AUDIO BOARD, COMPLETE	
164	4-886-821-51	SCREW, CASE, (M3X14)	
166	4-929-074-01	SCREW (+BVTT 3X8)	
169	* 4-928-064-01	CUSHION (TRANSFORMER)	
173	X-4934-014-1	KNOB (POWER) ASSY (BLACK) (EXCEPT Canadian, AEP/GOLD)	
173	X-4941-629-1	KNOB (POWER) ASSY (GOLD) (Canadian, AEP/GOLD)	
174	3-701-505-00	SET SCREW, DOUBLE POINT 3X3	
175	* 3-701-822-00	HOLDER, WIRE	
176	4-924-973-11	WASHER	

Ref. No.	Part No.	Description	Remark
179	4-924-264-01	TERMINAL, MOUNT	
180	* 4-942-463-01	CUSHION (TRANSFORMER)	
181	* 4-942-464-01	COVER, INSULATING	
182	* 4-942-456-01	BRAKET (VOL)	
BB7	1-566-940-21	BUS BAR 3P	
BB8	1-566-940-21	BUS BAR 3P	
BB9	* 1-568-130-11	BUS BAR 4P	
BB10	* 1-568-130-11	BUS BAR 4P	
BB11	* 1-569-135-11	BUS BAR 4P	
BB12	* 1-569-135-11	BUS BAR 4P	
BB17	* 1-569-135-11	BUS BAR 4P	
BB18	* 1-569-135-11	BUS BAR 4P	
BB19	* 1-568-130-11	BUS BAR 4P	
BB20	* 1-569-135-11	BUS BAR 4P	
J601	1-507-918-00	JACK, PIN 1P (LINE OUT FIXED L)	
J602	1-507-918-00	JACK, PIN 1P (LINE OUT VARIABLE L)	
J701	1-507-918-00	JACK, PIN 1P (LINE OUT FIXED R)	
J702	1-507-918-00	JACK, PIN 1P (LINE OUT VARIABLE R)	
J901	1-563-030-11	CONNECTOR (RECEPTACLE) 3P (LINE OUT BLANSED R)	
J902	1-563-030-11	CONNECTOR (RECEPTACLE) 3P (LINE OUT BLANSED L)	
S901	⚠ 1-554-538-00	SWITCH, PUSH (AC POWER) (1 KEY)	
T901	⚠ 1-450-497-11	TRANSFORMER, POWER (AUDIO) (AEP, UK, AUS)	
T901	⚠ 1-450-495-11	TRANSFORMER, POWER (AUDIO) (US, Canadian)	
T902	⚠ 1-450-496-11	TRANSFORMER, POWER (DIGITAL) (AEP, UK, AUS)	
T902	⚠ 1-450-494-11	TRANSFORMER, POWER (DIGITAL) (US, Canadian)	

5-5. MECHANISM SECTION-1

CDM4K-10D (US, UK, AEP ; BLACK, Australian MODEL)
CDM4J-10D (AEP ; GOLD, Canadian MODEL)

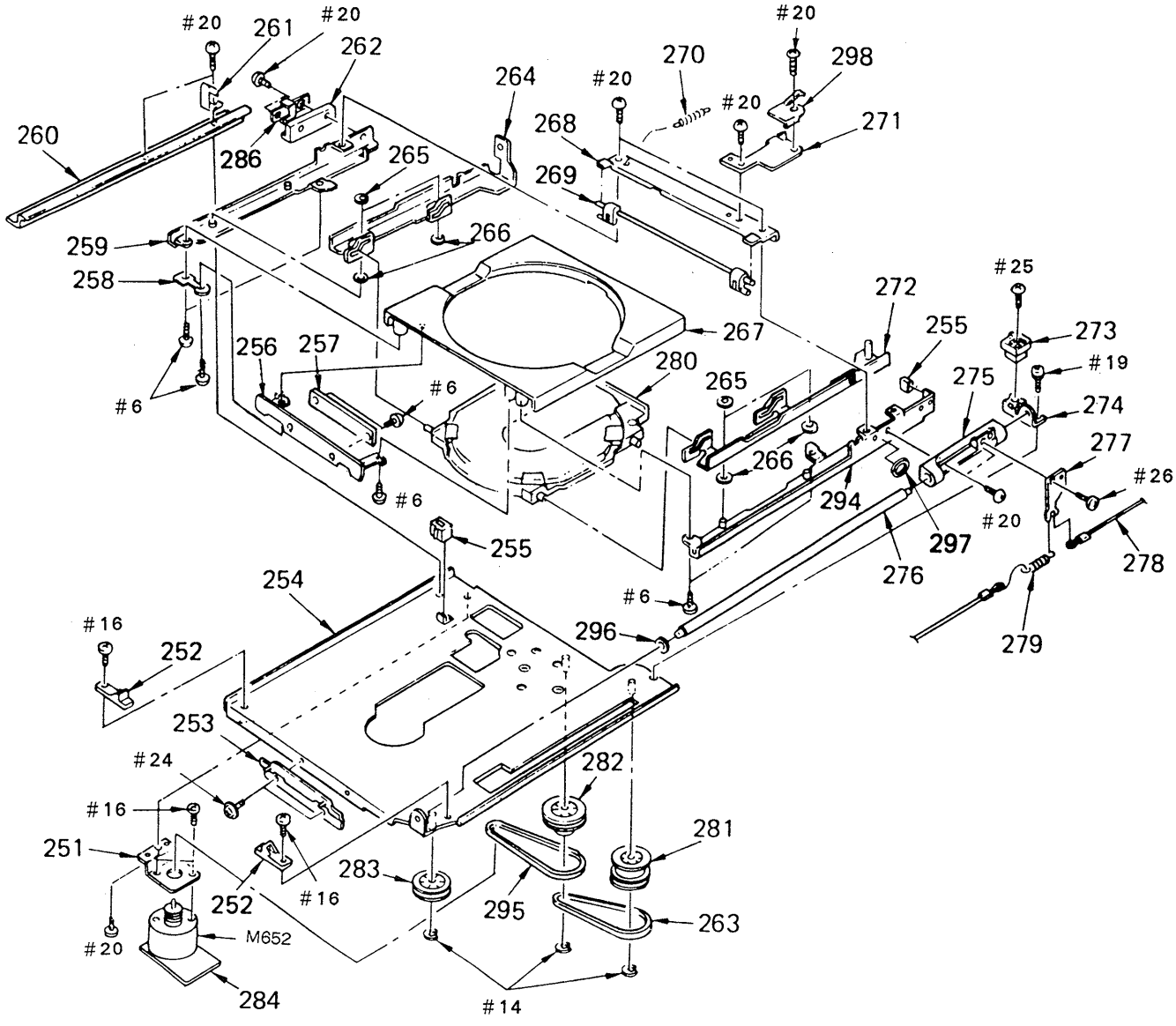


Ref. No.	Part No.	Description	Remark
201	A-4604-767-A	PULLEY ASSY, PRESS (EXCEPT Canadian, AEP/GOLD)	
201	A-4604-794-A	PULLEY ASSY, PRESS (Canadian, AEP/GOLD)	
202	* X-4912-509-1	ARM ASSY, C	
203	4-908-513-01	SHAFT, FULCRUM, C ARM	
204	X-4908-513-1	PLATE ASSY, ADJUSTMENT, ARM	
205	4-908-559-01	SPRING, COMPRESSION	
206	* 4-912-543-01	BRACKET (D), SWITCH	
207	* 4-912-569-01	PLATE (B), GROUND	
208	* 1-624-378-11	OUT SW BOARD	
209	4-912-514-01	GEAR (A)	
210	4-912-525-01	GEAR (B)	
211	4-912-528-01	GEAR, CAM	
212	* X-4912-503-1	CHASSIS ASSY, SUB	
213	3-558-708-21	WASHER, STOPPER	
214	4-908-555-01	SPRING, TENSION (C ARM)	

Ref. No.	Part No.	Description	Remark
215	* 4-912-524-01	BRAKET (A) SWITCH	
216	* 4-912-580-01	COVER, ROPE	
217	* 4-908-597-01	COVER, BELT	
218	* 4-912-588-01	HOLDER (OUT SW)	
219	4-912-577-01	SPRING (H), COMPRESSION	
220	4-912-575-01	SPRING (F), COMPRESSION	
221	4-912-576-01	SPRING (C), COMPRESSION	
222	4-912-578-01	HOLDER, SP	
223	* 1-629-379-11	C MOTOR BOARD	
224	* 1-624-377-11	IN SW BOARD	
225	* 1-624-375-11	L/C SW BOARD	
232	* 4-912-598-01	PLATE (B), GROUND	
M651	X-4902-019-1	MOTOR ASSY, CHUCKING	
S651	1-554-205-00	SWITCH, PUSH (LOADING IN DET)	
S652	1-571-300-21	SWITCH, ROTARY	
S653	1-553-636-00	SWITCH, MICRO	
S654	1-570-447-11	SWITCH, MICRO	

5-6. MECHANISM SECTION-2

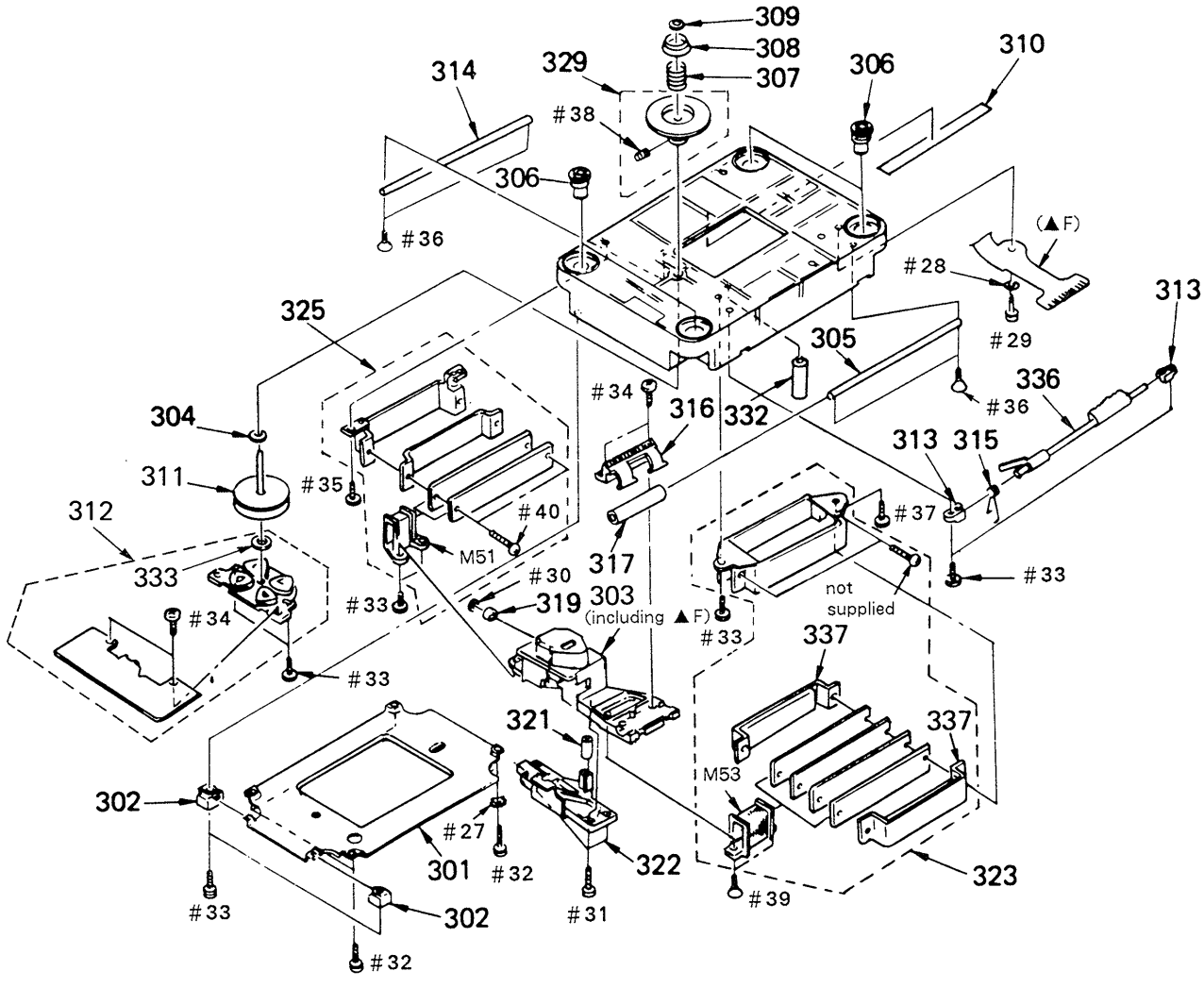
CDM4K-10D (US, UK, AEP ; BLACK, Australian MODEL)
CDM4J-10D (Canadian, AEP ; GOLD MODEL)



Ref. No.	Part No.	Description	Remark
251	* 4-908-523-01	BRACKET, MOTOR	
252	4-908-540-01	GUIDE, ASSIST	
253	* X-4912-508-1	BRACKET ASSY, TABLE	
254	* X-4912-516-1	CHASSIS ASSY, MECHANICAL	
255	4-887-175-00	RUBBER, STOPPER	
256	* 4-912-579-01	BRACKET (LP)	
257	* 4-912-544-01	PLATE, FIXED	
258	* 4-912-568-01	PLATE (A), GROUND	
259	* X-4912-504-1	BRACKET (LEFT) ASSY, TABLE	
260	* 4-912-529-01	GUIDE, LOADING	
261	* 4-912-527-01	RETAINER, TABLE	
262	* 4-912-534-01	GUIDE, SUB	
263	4-912-599-01	BELT (FF)	
264	* 4-912-583-01	SLIDER (CAM LEFT)	
265	3-558-708-21	WASHER, STOPPER	
266	3-701-439-11	WASHER	
267	* 4-912-585-01	TABLE, DISK (US, UK, AEP/BLACK, AUS)	
267	* 4-912-585-11	TABLE, DISK (Canadian, AEP/GOLD)	
268	* 4-912-532-01	REINFORCEMENT, TABLE	
269	4-908-534-01	LEVER, FUNCTION	
270	4-912-516-01	SPRING (DISK CAM), TENSION	
271	* 4-912-522-01	PLATE, SW	
272	* X-4912-514-1	SLIDER (CAM RIGHT) ASSY	

Ref. No.	Part No.	Description	Remark
273	* 4-912-513-01	STOPPER, TABLE	
274	* 4-912-519-01	RETAINER (RIGHT), SHAFT	
275	4-912-538-01	BEARING (RIGHT), GUIDE	
276	4-912-521-11	SHAFT (RIGHT), GUIDE	
277	* 4-912-520-01	BRACKET, ROPE	
278	4-912-517-01	ROPE	
279	4-908-553-01	SPRING, COMPRESSION (ROPE)	
280	* X-4912-515-1	PLATE ASSY, DISK (EXCEPT Canadian, AEP/GOLD)	
280	* X-4941-167-1	PLATE ASSY, DISK (Canadian, AEP/GOLD)	
281	4-908-525-01	PULLEY (C)	
282	4-908-519-01	PULLEY (A)	
283	4-908-524-01	PULLEY (B)	
284	* 1-624-376-11	L MOTOR BOARD	
286	4-912-594-01	SPRING	
294	* X-4912-505-1	BRACKET (RIGHT) ASSY, TABLE	
295	4-908-591-01	BELT, DRIVING	
296	* 4-912-587-01	CUSHION	
297	4-912-593-01	WASHER	
298	* 4-936-101-01	PLATE (MD), GROUND	
M652	X-4912-517-1	MOTOR ASSY, LOADING	

5-7. BASE UNIT (BU-10D)



Ref. No.	Part No.	Description	Remark
301	* 4-921-859-01	COVER (A), MECHANICAL BASE	
302	* 4-921-823-01	HOLDER	
303	⚠ 8-848-210-11	DEVICE, OPTICAL KSS-281A (INCLUDING FLEXIBLE BOARD)	
304	4-921-853-01	WASHER	
305	4-921-821-01	SHAFT (B), SLIDE	
306	4-921-816-01	INSULATOR	
307	4-908-213-01	SPRING, COMPRESSION	
308	4-921-857-01	CAP, CENTERING	
309	4-926-219-01	RING (DIA. 2.3), RETAINING	
310	9-911-838-XX	CUSHION	
311	A-4675-324-A	ROTOR ASSY	
312	A-4604-792-A	STATOR ASSY	
313	4-908-220-01	HOLDER, ROD	
314	4-921-822-01	SHAFT (A), SLIDE	
315	4-921-817-01	SPRING	

Ref. No.	Part No.	Description	Remark
316	4-921-826-01	HOLDER, BEARING	
317	4-908-221-01	BEARING	
319	4-908-208-01	BEARING (NO-FLANGE), BALL	
321	* 4-921-819-01	TUBE, RUBBER	
322	4-921-860-01	COVER (B), SLIDE BASE	
323	A-4608-347-A	MOTOR ASSY	
325	A-4675-229-A	SENSOR ASSY	
329	X-4941-371-1	PULLEY ASSY, DISC	
332	X-4908-221-1	CAM ASSY, LOCK	
333	4-943-342-01	BEARING	
336	4-921-825-01	LEVER, LOCK	
337	A-4675-110-A	MAGNET ASSY, LINEAR	
M51	1-422-198-21	COIL (SENSOR)	
M53	1-422-197-21	COIL (DRIVE)	

AUDIO

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- −XX, −X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL : Metal-film resistor
  METAL OXIDE : Metal Oxide-film resistor
  F : nonflammable
- Items marked "＊" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : μ, for example :
  uA.... : μA...., uPA.... : μPA....
  uPB.... : μPB...., uPC.... : μPC....
  uPD.... : μPD....
- CAPACITORS
  uF : μF
- COILS
  uH : μH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

Ref. No.	Part No.	Description	Remark
	＊ A-4617-919-A	AUDIO BOARD, COMPLETE	
		**********	
	＊ 4-908-951-01	REINFORCEMENT (B), PWB	
	4-924-264-01	TERMINAL, MOUNT	
		< BASE POST >	
BP1	＊ 1-535-139-00	BASE POST 19MM (10MM PITCH) 2P	
BP2	＊ 1-535-139-00	BASE POST 19MM (10MM PITCH) 2P	
		< BUS BAR >	
BB7	1-566-940-21	BUS BAR 3P	
BB8	1-566-940-21	BUS BAR 3P	
BB9	＊ 1-568-130-11	BAR, BUS 3P	
BB10	＊ 1-568-130-11	BAR, BUS 3P	
BB11	＊ 1-569-135-11	BAR, BUS 4P	
BB12	＊ 1-569-135-11	BAR, BUS 4P	
BB17	＊ 1-569-135-11	BAR, BUS 4P	
BB18	＊ 1-569-135-11	BAR, BUS 4P	
BB19	＊ 1-568-130-11	BAR, BUS 3P	
BB20	＊ 1-569-135-11	BAR, BUS 4P	
		< CAPACITOR >	

Ref. No.	Part No.	Description			Remark
C401	1-109-621-00	MICA	220PF	1%	500V
C402	1-109-621-00	MICA	220PF	1%	500V
C403	1-109-621-00	MICA	220PF	1%	500V
C404	1-109-621-00	MICA	220PF	1%	500V
C405	1-136-814-11	FILM	0.001uF	5%	100V
C406	1-136-814-11	FILM	0.001uF	5%	100V
C408	1-136-192-11	FILM	0.0018uF	2%	100V
C409	1-136-192-11	FILM	0.0018uF	2%	100V
C410	1-136-192-11	FILM	0.0018uF	2%	100V
C411	1-107-046-00	MICA	4.7PF		500V
C412	1-107-046-00	MICA	4.7PF		500V
C413	1-136-764-11	FILM	10uF	10%	100V
C414	1-136-764-11	FILM	10uF	10%	100V
C416	1-125-663-11	ELECT	1200uF	20%	63V
C417	1-136-960-11	FILM	0.1uF	10%	160V
C420	1-136-230-00	FILM	0.0022uF	3%	100V
C421	1-136-233-11	FILM	0.0047uF	3%	100V
C422	1-124-572-11	ELECT	100uF	20%	63V
C423	1-136-763-11	FILM	1uF	10%	100V
C424	1-136-230-00	FILM	0.0022uF	3%	100V
C425	1-136-233-11	FILM	0.0047uF	3%	100V
C426	1-124-572-11	ELECT	100uF	20%	63V
C427	1-136-763-11	FILM	1uF	10%	100V
C430	1-136-811-11	FILM	330PF	5%	100V
C441	1-126-051-11	ELECT	47uF	20%	50V
C442	1-126-051-11	ELECT	47uF	20%	50V
C501	1-109-621-00	MICA	220PF	1%	500V
C502	1-109-621-00	MICA	220PF	1%	500V
C503	1-109-621-00	MICA	220PF	1%	500V
C504	1-109-621-00	MICA	220PF	1%	500V
C505	1-136-814-11	FILM	0.001uF	5%	100V
C506	1-136-814-11	FILM	0.001uF	5%	100V
C508	1-136-192-11	FILM	0.0018uF	2%	100V
C509	1-136-192-11	FILM	0.0018uF	2%	100V
C510	1-136-192-11	FILM	0.0018uF	2%	100V
C511	1-107-046-00	MICA	4.7PF		500V
C512	1-107-046-00	MICA	4.7PF		500V
C513	1-136-764-11	FILM	10uF	10%	100V
C514	1-136-764-11	FILM	10uF	10%	100V
C516	1-125-663-11	ELECT	1200uF	20%	63V
C517	1-136-960-11	FILM	0.1uF	10%	160V
C520	1-136-230-00	FILM	0.0022uF	3%	100V
C521	1-136-233-11	FILM	0.0047uF	3%	100V
C522	1-124-572-11	ELECT	100uF	20%	63V

Ref. No.	Part No.	Description			Remark
C523	1-136-763-11	FILM	1uF	10%	100V
C524	1-136-230-00	FILM	0.0022uF	3%	100V
C525	1-136-233-11	FILM	0.0047uF	3%	100V
C526	1-124-572-11	ELECT	100uF	20%	63V
C527	1-136-763-11	FILM	1uF	10%	100V
C530	1-136-811-11	FILM	330PF	5%	100V
C541	1-126-051-11	ELECT	47uF	20%	50V
C542	1-126-051-11	ELECT	47uF	20%	50V
C601	1-162-806-11	CERAMIC	0.1uF	10%	50V
C602	1-162-806-11	CERAMIC	0.1uF	10%	50V
C603	1-126-052-11	ELECT	100uF	20%	50V
C604	1-126-052-11	ELECT	100uF	20%	50V
C605	1-136-165-00	FILM	0.1uF	5%	50V
C606	1-136-165-00	FILM	0.1uF	5%	50V
C607	1-126-052-11	ELECT	100uF	20%	50V
C608	1-126-052-11	ELECT	100uF	20%	50V
C609	1-136-165-00	FILM	0.1uF	5%	50V
C610	1-136-165-00	FILM	0.1uF	5%	50V
C611	1-126-052-11	ELECT	100uF	20%	50V
C612	1-126-052-11	ELECT	100uF	20%	50V
C613	1-136-165-00	FILM	0.1uF	5%	50V
C614	1-136-165-00	FILM	0.1uF	5%	50V
C615	1-136-165-00	FILM	0.1uF	5%	50V
C616	1-136-165-00	FILM	0.1uF	5%	50V
C617	1-126-052-11	ELECT	100uF	20%	25V
C618	1-126-052-11	ELECT	100uF	20%	25V
C619	1-136-165-00	FILM	0.1uF	5%	50V
C620	1-136-165-00	FILM	0.1uF	5%	50V
C621	1-136-165-00	FILM	0.1uF	5%	50V
C622	1-136-165-00	FILM	0.1uF	5%	50V
C623	1-126-052-11	ELECT	100uF	20%	25V
C624	1-126-052-11	ELECT	100uF	20%	25V
C625	1-136-168-00	FILM	0.18uF	5%	50V
C627	1-126-052-11	ELECT	100uF	20%	25V
C628	1-136-168-00	FILM	0.18uF	5%	50V
C629	1-136-174-00	FILM	0.56uF	5%	50V
C630	1-136-174-00	FILM	0.56uF	5%	50V
C631	1-107-202-00	MICA	10PF	5%	500V
C632	1-107-202-00	MICA	10PF	5%	500V
C633	1-126-059-11	ELECT	10uF	20%	25V
C634	1-136-153-00	FILM	0.01uF	5%	50V
C635	1-136-165-00	FILM	0.1uF	5%	50V
C636	1-126-013-11	ELECT	1000uF	20%	16V
C637	1-123-306-00	ELECT	47uF	20%	10V
C638	1-136-961-11	FILM	0.047uF	10%	160V
C639	1-136-165-00	FILM	0.1uF	5%	50V
C640	1-136-168-00	FILM	0.18uF	5%	50V
C641	1-136-165-00	FILM	0.1uF	5%	50V
C642	1-136-165-00	FILM	0.1uF	5%	50V
C643	1-136-168-00	FILM	0.18uF	5%	50V
C644	1-126-052-11	ELECT	100uF	20%	25V
C648	1-136-165-00	FILM	0.1uF	5%	50V
C649	1-136-165-00	FILM	0.1uF	5%	50V
C650	1-136-165-00	FILM	0.1uF	5%	50V
C651	1-136-165-00	FILM	0.1uF	5%	50V

< CONNECTOR >

CN401	* 1-564-506-11	PLUG, CONNECTOR 3P	
CN402	* 1-564-505-11	PLUG, CONNECTOR 2P	
CN501	* 1-564-506-11	PLUG, CONNECTOR 3P	
CN502	* 1-564-505-11	PLUG, CONNECTOR 2P	
CN611	* 1-564-509-11	PLUG, CONNECTOR 6P	

< DIODE >

D401	8-719-114-65	DIODE RD11JS-B2
D402	8-719-107-94	DIODE 1SS202-1
D403	8-719-114-29	DIODE RD5.1JS-B1
D406	8-719-107-94	DIODE 1SS202-1
D501	8-719-114-65	DIODE RD11JS-B2
D502	8-719-107-94	DIODE 1SS202-1
D503	8-719-114-29	DIODE RD5.1JS-B1
D506	8-719-107-94	DIODE 1SS202-1
D601	8-719-107-94	DIODE 1SS202-1
D602	8-719-114-27	DIODE RD4.7JS-B3
D603	8-719-107-94	DIODE 1SS202-1
D604	8-719-107-94	DIODE 1SS202-1
D605	8-719-107-94	DIODE 1SS202-1
D606	8-719-114-30	DIODE RD5.1JS-B2
D607	8-719-107-94	DIODE 1SS202-1

< IC >

IC401	8-759-982-03	IC RC5532D-D
IC402	8-759-982-03	IC RC5532D-D
IC403	8-759-710-32	IC NJM5532S
IC404	8-759-982-03	IC RC5532D-D
IC501	8-759-982-03	IC RC5532D-D
IC502	8-759-982-03	IC RC5532D-D
IC503	8-759-710-32	IC NJM5532S
IC504	8-759-982-03	IC NJM5532D-D
IC601	8-752-335-51	IC CXD2552Q-1
IC602	8-752-335-51	IC CXD2552Q-1
IC605	8-759-971-80	IC AD712JN
IC606	8-759-233-64	IC TC74HCU04AF

< COIL >

L601	1-410-324-11	INDUCTOR 4.7uH
L602	1-410-324-11	INDUCTOR 4.7uH
L603	1-410-324-11	INDUCTOR 4.7uH
L604	1-410-397-21	FERRITE BEAD INDUCTOR

AUDIO

Ref. No.	Part No.	Description	Remark
L605	* 1-410-858-11	INDUCTOR 0uH	
L606	* 1-410-858-11	INDUCTOR 0uH	
		< PHOTO INTERRUPTER >	
PH601	8-719-902-56	PHOTO COUPLER PC817	
PH602	8-719-902-56	PHOTO COUPLER PC817	
PH603	8-719-902-56	PHOTO COUPLER PC817	
		< TRANSISTOR >	
Q401	8-729-203-21	TRANSISTOR 2SK389-GR	
Q405	8-729-202-72	TRANSISTOR 2SC3381-BL	
Q406	8-729-200-55	TRANSISTOR 2SK241Y	
Q407	8-729-184-53	TRANSISTOR 2SC1845-EA	
Q408	8-729-200-55	TRANSISTOR 2SK241Y	
Q409	8-729-232-67	TRANSISTOR 2SA1349-GR	
Q412	8-729-184-53	TRANSISTOR 2SC1845-EA	
Q413	8-729-184-53	TRANSISTOR 2SC1845-EA	
Q414	8-729-321-35	TRANSISTOR 2SK213	
Q415	8-729-307-65	TRANSISTOR 2SJ76	
Q416	8-729-201-05	TRANSISTOR 2SC2878-B	
Q501	8-729-203-21	TRANSISTOR 2SK389-GR	
Q505	8-729-202-72	TRANSISTOR 2SC3381-BL	
Q506	8-729-200-55	TRANSISTOR 2SK241Y	
Q507	8-729-184-53	TRANSISTOR 2SC1845-EA	
Q508	8-729-200-55	TRANSISTOR 2SK241Y	
Q509	8-729-232-67	TRANSISTOR 2SA1349-GR	
Q512	8-729-184-53	TRANSISTOR 2SC1845-EA	
Q513	8-729-184-53	TRANSISTOR 2SC1845-EA	
Q514	8-729-321-35	TRANSISTOR 2SK213	
Q515	8-729-307-65	TRANSISTOR 2SJ76	
Q516	8-729-201-05	TRANSISTOR 2SC2878-B	
Q601	8-729-200-55	TRANSISTOR 2SK241Y	
Q602	8-729-194-13	TRANSISTOR 2SC1941-KA	
Q603	8-729-620-23	TRANSISTOR 2SC3246-JK	
Q604	8-729-140-96	TRANSISTOR 2SD774-34	
Q605	8-729-200-55	TRANSISTOR 2SK241Y	
		< RESISTOR >	
R401	1-249-946-11	CARBON 9.1K 1% 1/4W	
R402	1-249-946-11	CARBON 9.1K 1% 1/4W	
R403	1-249-946-11	CARBON 9.1K 1% 1/4W	
R404	1-249-946-11	CARBON 9.1K 1% 1/4W	
R405	1-259-571-11	CARBON 4.7K 1% 1/2W	
R406	1-259-571-11	CARBON 4.7K 1% 1/2W	
R407	1-259-571-11	CARBON 4.7K 1% 1/2W	
R408	1-259-571-11	CARBON 4.7K 1% 1/2W	
R409	1-259-579-11	CARBON 10K 1% 1/2W	
R410	1-259-579-11	CARBON 10K 1% 1/2W	

Ref. No.	Part No.	Description	Remark
R411	1-249-809-11	CARBON 2K 1% 1/2W	
R412	1-249-809-11	CARBON 2K 1% 1/2W	
R413	1-259-557-11	CARBON 1.2K 1% 1/2W	
R414	1-259-557-11	CARBON 1.2K 1% 1/2W	
R415	1-259-561-11	CARBON 1.8K 1% 1/2W	
R416	1-259-561-11	CARBON 1.8K 1% 1/2W	
R417	1-259-561-11	CARBON 1.8K 1% 1/2W	
R418	1-259-561-11	CARBON 1.8K 1% 1/2W	
R419	1-259-561-11	CARBON 1.8K 1% 1/2W	
R420	1-259-561-11	CARBON 1.8K 1% 1/2W	
R421	1-259-563-11	CARBON 2.2K 1% 1/2W	
R422	1-259-539-11	CARBON 220 1% 1/2W	
R423	1-249-782-11	CARBON 150 1% 1/2W	
R424	1-249-782-11	CARBON 150 1% 1/2W	
R425	1-259-579-11	CARBON 10K 1% 1/2W	
R426	1-259-559-11	CARBON 1.5K 1% 1/2W	
R428	1-259-531-11	CARBON 100 1% 1/2W	
R429	1-259-531-11	CARBON 100 1% 1/2W	
R430	1-259-519-11	CARBON 33 1% 1/2W	
R431	1-259-519-11	CARBON 33 1% 1/2W	
R432	1-259-557-11	CARBON 1.2K 1% 1/2W	
R433	1-259-557-11	CARBON 1.2K 1% 1/2W	
R434	1-259-619-11	CARBON 470K 1% 1/2W	
R435	1-259-531-11	CARBON 100 1% 1/2W	
R436	1-259-579-11	CARBON 10K 1% 1/2W	
R437	1-259-507-11	CARBON 10 1% 1/2W	
R438	1-259-555-11	CARBON 1K 1% 1/2W	
R439	1-259-555-11	CARBON 1K 1% 1/2W	
R440	1-259-555-11	CARBON 1K 1% 1/2W	
R441	1-259-555-11	CARBON 1K 1% 1/2W	
R442	1-247-891-00	CARBON 330K 5% 1/4W	
R445	1-247-891-00	CARBON 330K 5% 1/4W	
R446	1-249-782-11	CARBON 150 1% 1/2W	
R447	1-249-782-11	CARBON 150 1% 1/2W	
R450	1-249-814-11	CARBON 3.3K 1% 1/2W	
R501	1-249-946-11	CARBON 9.1K 1% 1/4W	
R502	1-249-946-11	CARBON 9.1K 1% 1/4W	
R503	1-249-946-11	CARBON 9.1K 1% 1/4W	
R504	1-249-946-11	CARBON 9.1K 1% 1/4W	
R505	1-259-571-11	CARBON 4.7K 1% 1/2W	
R506	1-259-571-11	CARBON 4.7K 1% 1/2W	
R507	1-259-571-11	CARBON 4.7K 1% 1/2W	
R508	1-259-571-11	CARBON 4.7K 1% 1/2W	
R509	1-259-579-11	CARBON 10K 1% 1/2W	
R510	1-259-579-11	CARBON 10K 1% 1/2W	
R511	1-249-809-11	CARBON 2K 1% 1/2W	
R512	1-249-809-11	CARBON 2K 1% 1/2W	
R513	1-259-557-11	CARBON 1.2K 1% 1/2W	
R514	1-259-557-11	CARBON 1.2K 1% 1/2W	

AUDIO | B OUT(L) | B OUT(R)

Ref. No.	Part No.	Description				Remark
R515	1-259-561-11	CARBON	1.8K	1%	1/2W	
R516	1-259-561-11	CARBON	1.8K	1%	1/2W	
R517	1-259-561-11	CARBON	1.8K	1%	1/2W	
R518	1-259-561-11	CARBON	1.8K	1%	1/2W	
R519	1-259-561-11	CARBON	1.8K	1%	1/2W	
R520	1-259-561-11	CARBON	1.8K	1%	1/2W	
R521	1-259-563-11	CARBON	2.2K	1%	1/2W	
R522	1-259-539-11	CARBON	220	1%	1/2W	
R523	1-249-782-11	CARBON	150	1%	1/2W	
R524	1-249-782-11	CARBON	150	1%	1/2W	
R525	1-259-579-11	CARBON	10K	1%	1/2W	
R526	1-259-559-11	CARBON	1.5K	1%	1/2W	
R528	1-259-531-11	CARBON	100	1%	1/2W	
R529	1-259-531-11	CARBON	100	1%	1/2W	
R530	1-259-519-11	CARBON	33	1%	1/2W	
R531	1-259-519-11	CARBON	33	1%	1/2W	
R532	1-259-557-11	CARBON	1.2K	1%	1/2W	
R533	1-259-557-11	CARBON	1.2K	1%	1/2W	
R534	1-259-619-11	CARBON	470K	1%	1/2W	
R535	1-259-531-11	CARBON	100	1%	1/2W	
R536	1-259-579-11	CARBON	10K	1%	1/2W	
R537	1-259-507-11	CARBON	10	1%	1/2W	
R538	1-259-555-11	CARBON	1K	1%	1/2W	
R539	1-259-555-11	CARBON	1K	1%	1/2W	
R540	1-259-555-11	CARBON	1K	1%	1/2W	
R541	1-259-555-11	CARBON	1K	1%	1/2W	
R542	1-247-891-00	CARBON	330K	5%	1/4W	
R543	1-249-782-11	CARBON	150	1%	1/2W	
R544	1-249-782-11	CARBON	150	1%	1/2W	
R545	1-247-891-00	CARBON	330K	5%	1/4W	
R550	1-249-814-11	CARBON	3.3K	1%	1/2W	
R603	1-259-440-11	CARBON	3.3K	5%	1/6W	
R604	1-259-440-11	CARBON	3.3K	5%	1/6W	
R605	1-259-448-11	CARBON	6.8K	5%	1/6W	
R606	1-259-448-11	CARBON	6.8K	5%	1/6W	
R607	1-259-472-11	CARBON	68K	5%	1/6W	
R608	1-259-472-11	CARBON	68K	5%	1/6W	
R609	1-259-428-11	CARBON	1K	5%	1/6W	
R610	1-215-445-00	METAL	10K	1%	1/6W	
R611	1-259-452-11	CARBON	10K	5%	1/6W	
R612	1-259-428-11	CARBON	1K	5%	1/6W	
R613	1-259-432-11	CARBON	1.5K	5%	1/6W	
R615	1-259-404-11	CARBON	100	5%	1/6W	
R617	1-216-428-00	METAL OXIDE	180	5%	1W	F
R627	1-259-428-11	CARBON	1K	5%	1/6W	

Ref. No.	Part No.	Description	Remark
		< RELAY >	
RY401	1-515-727-11	RELAY	
RY402	1-515-727-11	RELAY	
RY501	1-515-727-11	RELAY	
RY502	1-515-727-11	RELAY	
		< CRYSTAL >	
X601	1-577-686-11	VIBRATOR, CRYSTAL (45.1584MHz)	
**********			
*	1-640-174-11	B OUT (L) BOARD	
		**********	
		< CAPACITOR >	
C50	1-136-250-11	CAP, PP FILM 0.001uF 5% 100V (AEP, UK)	
C51	1-136-250-11	CAP, PP FILM 0.001uF 5% 100V (AEP, UK)	
		< CONNECTOR >	
CN50 *	1-564-506-11	PLUG, CONNECTOR 3P	
		< COIL >	
L50 *	1-410-858-11	INDUCTOR, SMALL TYPE 0uH (AEP, UK)	
L51 *	1-410-858-11	INDUCTOR, SMALL TYPE 0uH (AEP, UK)	
L52 *	1-410-858-11	INDUCTOR, SMALL TYPE 0uH (AEP, UK)	
**********			
*	1-640-174-11	B OUT (R) BOARD	
		**********	
		< CAPACITOR >	
C50	1-136-250-11	CAP, PP FILM 0.001uF 5% 100V (AEP, UK)	
C51	1-136-250-11	CAP, PP FILM 0.001uF 5% 100V (AEP, UK)	
		< CONNECTOR >	
CN50 *	1-564-506-11	PLUG, CONNECTOR 3P	
		< COIL >	
L50 *	1-410-858-11	INDUCTOR, SMALL TYPE 0uH (AEP, UK)	
L51 *	1-410-858-11	INDUCTOR, SMALL TYPE 0uH (AEP, UK)	
L52 *	1-410-858-11	INDUCTOR, SMALL TYPE 0uH (AEP, UK)	

C MOTOR | COAX D/O | DIGITAL

Ref.No.	Part No.	Description			Remark
	* 1-624-379-11	C.MOTOR BOARD			
		**********			
		< CAPACITOR >			
C654	1-130-471-00	MYLAR	0.001uF	5%	50V
		**********			
	* 1-629-106-11	COAX D/O BOARD			
		**********			
		< CAPACITOR >			
C851	1-136-177-00	FILM	1uF	5%	50V
C852	1-162-179-11	CERAMIC	0.1uF		50V
C853	1-162-179-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CN851	* 1-564-519-11	PLUG, CONNECTOR 4P			
		< IC >			
IC851	8-759-917-18	IC SN74HCU04AN			
		< JACK >			
J851	1-507-567-71	JACK, PIN 1P (DIGITAL OUT COAXIAL)			
		< RESISTOR >			
R851	1-247-804-11	CARBON	75	5%	1/4W
R852	1-249-417-11	CARBON	1K	5%	1/4W
		< COIL >			
T851	1-459-795-11	COIL (WITH CORE)			
		**********			
	* A-4617-750-A	DIGITAL BOARD, COMPLETE			
		**********			
	* 4-922-525-01	HEAT SINK			
		< CAPACITOR >			
C101	1-130-480-00	MYLAR	0.0056uF	5%	50V
C102	1-136-159-00	FILM	0.033uF	5%	50V
C103	1-136-165-00	FILM	0.1uF	5%	50V
C104	1-136-165-00	FILM	0.1uF	5%	50V
C105	1-161-375-00	CERAMIC	0.0022uF	20%	50V
C106	1-106-351-00	MYLAR	2200PF	5%	200V
C107	1-136-153-00	FILM	0.01uF	5%	50V
C108	1-136-153-00	FILM	0.01uF	5%	50V
C109	1-136-165-00	FILM	0.1uF	5%	50V
C110	1-136-161-00	FILM	0.047uF	5%	50V
C111	1-126-059-11	ELECT	10uF	20%	50V
C112	1-136-165-00	FILM	0.1uF	5%	50V
C113	1-136-169-00	FILM	0.22uF	5%	50V
C114	1-126-045-11	ELECT	2.2uF	20%	50V
C115	1-162-306-11	CERAMIC	0.01uF	20%	16V
C116	1-136-159-00	FILM	0.033uF	5%	50V
C118	1-124-983-11	ELECT	330uF	20%	6.3V
C119	1-124-983-11	ELECT	330uF	20%	6.3V
C121	1-136-153-00	FILM	0.01uF	5%	50V
C122	1-126-043-11	ELECT	0.47uF	20%	50V
C123	1-130-472-00	MYLAR	0.0012uF	5%	50V
C124	1-106-359-00	MYLAR	4700PF	5%	200V
C125	1-164-159-11	CERAMIC	0.1uF		50V
C127	1-164-159-11	CERAMIC	0.1uF		50V
C128	1-162-280-31	CERAMIC	82PF	10%	50V
C129	1-136-172-00	FILM	0.39uF	5%	50V
C130	1-136-155-00	FILM	0.015uF	5%	50V
C131	1-162-195-31	CERAMIC	4.7PF	10%	50V
C132	1-106-363-00	MYLAR	6800PF	5%	200V
C133	1-164-159-11	CERAMIC	0.1uF		50V
C134	1-162-294-31	CERAMIC	0.001uF	10%	50V
C135	1-162-294-31	CERAMIC	0.001uF	10%	50V
C136	1-164-159-11	CERAMIC	0.1uF		50V
C137	1-126-023-11	ELECT	100uF	20%	25V
C138	1-126-023-11	ELECT	100uF	20%	25V
C139	1-126-023-11	ELECT	100uF	20%	25V
C140	1-126-023-11	ELECT	100uF	20%	25V
C141	1-124-983-11	ELECT	330uF	20%	6.3V
C142	1-124-983-11	ELECT	330uF	20%	6.3V
C144	1-164-159-11	CERAMIC	0.1uF		50V
C145	1-164-159-11	CERAMIC	0.1uF		50V
C146	1-164-159-11	CERAMIC	0.1uF		50V
C147	1-164-159-11	CERAMIC	0.1uF		50V
C148	1-164-159-11	CERAMIC	0.1uF		50V
C149	1-164-159-11	CERAMIC	0.1uF		50V
C150	1-126-023-11	ELECT	100uF	20%	25V
C151	1-126-023-11	ELECT	100uF	20%	25V
C152	1-124-985-11	ELECT	1000uF	20%	6.3V
C154	1-124-983-11	ELECT	330uF	20%	6.3V
C155	1-164-159-11	CERAMIC	0.1uF		50V
C156	1-164-159-11	CERAMIC	0.1uF		50V
C157	1-164-159-11	CERAMIC	0.1uF		50V
C159	1-124-985-11	ELECT	1000uF	20%	6.3V
C160	1-164-159-11	CERAMIC	0.1uF		50V
C161	1-164-159-11	CERAMIC	0.1uF		50V
C172	1-162-294-31	CERAMIC	0.001uF	10%	50V
C174	1-162-294-31	CERAMIC	0.001uF	10%	50V
C180	1-124-767-00	ELECT	2.2uF	20%	50V

Ref. No.	Part No.	Description			Remark
C201	1-106-347-00	MYLAR	1500PF	5%	200V
C202	1-136-161-00	FILM	0.047uF	5%	50V
C203	1-136-155-00	FILM	0.015uF	5%	50V
C205	1-124-983-11	ELECT	330uF	20%	6.3V
C206	1-164-159-11	CERAMIC	0.1uF		50V
C301	1-124-983-11	ELECT	330uF	20%	6.3V
C302	1-164-159-11	CERAMIC	0.1uF		50V
C303	1-164-159-11	CERAMIC	0.1uF		50V
C304	1-164-159-11	CERAMIC	0.1uF		50V
C305	1-126-059-11	ELECT	10uF	20%	25V
C306	1-124-995-11	ELECT	220uF	20%	10V
C307	1-164-159-11	CERAMIC	0.1uF		50V
C308	1-136-165-00	FILM	0.1uF	5%	50V
C309	1-162-294-31	CERAMIC	0.001uF	10%	50V
C310	1-164-159-11	CERAMIC	0.1uF		50V
C311	1-126-303-11	ELECT	3.3uF	20%	50V
C312	1-164-159-11	CERAMIC	0.1uF		50V
C626	1-136-153-00	FILM	0.01uF	5%	50V
C628	1-164-159-11	CERAMIC	0.1uF		50V
C701	1-136-763-11	FILM	1uF	10%	100V
C702	1-124-572-11	ELECT	100uF	20%	63V
C703	1-136-814-11	FILM	0.001uF	5%	100V
C704	1-136-440-11	FILM	39PF	5%	630V
C705	1-136-272-00	FILM	68PF	5%	630V
C708	1-124-130-00	ELECT	100uF	20%	63V
C709	1-136-165-00	FILM	0.1uF	5%	50V
C710	1-124-913-11	ELECT	470uF	20%	50V
C711	1-136-177-00	FILM	1uF	5%	50V
C751	1-136-763-11	FILM	1uF	10%	100V
C752	1-124-572-11	ELECT	100uF	20%	63V
C753	1-136-814-11	FILM	0.001uF	5%	100V
C754	1-136-440-11	FILM	39PF	5%	630V
C755	1-136-272-00	FILM	68PF	5%	630V
C757	1-124-130-00	ELECT	100uF	20%	63V
C758	1-136-165-00	FILM	0.1uF	5%	50V
C760	1-124-913-11	ELECT	470uF	20%	50V
C761	1-136-177-00	FILM	1uF	5%	50V
C990	1-125-622-11	CAP, DOUBLE LAYERS 0.10F			5.5V

< CONNECTOR >

CN101	* 1-564-341-11	PIN, CONNECTOR 7P	
CN102	* 1-564-338-81	PIN, CONNECTOR 4P	
CN103	* 1-564-338-61	PIN, CONNECTOR 4P	
CN104	* 1-564-339-00	PIN, CONNECTOR 5P	
CN105	* 1-564-338-00	PIN, CONNECTOR 4P	
CN301	* 1-564-666-11	PIN, CONNECTOR 10P	
CN302	* 1-564-339-00	PIN, CONNECTOR 5P	
CN303	* 1-564-712-11	PIN, CONNECTOR (SMALL TYPE) 10P	
CN304	* 1-564-336-00	PIN, CONNECTOR 2P	
CN305	* 1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	
CN391	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN451	* 1-564-505-11	PLUG, CONNECTOR 2P	
CN452	* 1-564-505-11	PLUG, CONNECTOR 2P	
CN522	* 1-564-505-11	PLUG, CONNECTOR 2P	
CN551	* 1-564-505-11	PLUG, CONNECTOR 2P	
CN601	* 1-564-509-11	PLUG, CONNECTOR 6P	
CN602	* 1-564-340-00	PIN, CONNECTOR 6P	
CN701	* 1-564-506-11	PLUG, CONNECTOR 3P	
CN702	* 1-564-506-11	PLUG, CONNECTOR 3P	
CN703	* 1-564-507-11	PLUG, CONNECTOR 4P	

< DIODE >

D301	8-719-912-20	DIODE 1SS120
D302	8-719-912-20	DIODE 1SS120
D303	8-719-912-20	DIODE 1SS120
D305	8-719-912-20	DIODE 1SS120
D701	8-719-980-31	DIODE DA218S
D751	8-719-980-31	DIODE DA218S
D907	8-719-912-20	DIODE 1SS120

< IC >

IC101	8-752-050-82	IC CXA1372Q
IC102	8-759-823-11	IC LA6523
IC103	8-759-823-11	IC LA6523
IC104	8-759-998-31	IC LF357N
IC105	8-759-823-11	IC LA6523
IC106	8-759-202-01	IC TA7256P
IC107	8-759-981-92	IC RC4558M
IC201	8-752-337-26	IC CXD2500AQ
IC301	8-759-635-51	IC M37450M8-376FP
IC302	8-759-822-78	IC LC3564PML-1015
IC303	8-759-925-90	IC SN74HC74AF
IC304	8-752-339-86	IC CXD2557M
IC305	8-759-233-64	IC TC74HCU04AF
IC306	8-759-636-16	IC M51957AL
IC601	8-759-982-03	IC RC5532D-D
IC603	8-759-233-64	IC TC74HCU04AF
IC604	8-752-328-61	IC CXD1244S
IC651	8-759-982-03	IC RC5532D-D

< COIL >

L301	* 1-410-858-11	INDUCTOR	0uH
L302	* 1-410-858-11	INDUCTOR	0uH
L303	* 1-410-858-11	INDUCTOR	0uH
L603	1-410-324-11	INDUCTOR	4.7uH

< PHOTO INTERRUPTER >

PH301	8-719-902-56	PHOTO COUPLER PC817

DIGITAL

Ref. No.	Part No.	Description				Remark
		< TRANSISTOR >				
Q101	8-729-900-89	TRANSISTOR DTC144ES				
Q301	8-729-140-96	TRANSISTOR 2SD774-34				
Q302	8-729-905-05	TRANSISTOR 2SD1293M-Q				
Q701	8-729-809-29	TRANSISTOR 2SC4159-E				
Q702	8-729-809-26	TRANSISTOR 2SA1606-E				
Q703	8-729-224-61	TRANSISTOR 2SK246-Y				
Q751	8-729-809-29	TRANSISTOR 2SC4159-E				
Q752	8-729-809-26	TRANSISTOR 2SA1606-E				
Q753	8-729-224-61	TRANSISTOR 2SK246-Y				
		< RESISTOR >				
R101	1-259-452-11	CARBON	10K	5%	1/6W	
R102	1-259-484-11	CARBON	220K	5%	1/6W	
R103	1-259-452-11	CARBON	10K	5%	1/6W	
R104	1-259-479-11	CARBON	130K	5%	1/6W	
R105	1-259-474-11	CARBON	82K	5%	1/6W	
R106	1-259-472-11	CARBON	68K	5%	1/6W	
R107	1-259-456-11	CARBON	15K	5%	1/6W	
R108	1-259-453-11	CARBON	11K	5%	1/6W	
R109	1-259-493-11	CARBON	510K	5%	1/6W	
R110	1-259-483-11	CARBON	200K	5%	1/6W	
R111	1-259-428-11	CARBON	1K	5%	1/6W	
R112	1-259-452-11	CARBON	10K	5%	1/6W	
R113	1-259-476-11	CARBON	100K	5%	1/6W	
R114	1-259-451-11	CARBON	9.1K	5%	1/6W	
R115	1-259-451-11	CARBON	9.1K	5%	1/6W	
R116	1-259-380-11	CARBON	10	5%	1/6W	
R117	1-259-453-11	CARBON	11K	5%	1/6W	
R118	1-259-380-11	CARBON	10	5%	1/6W	
R120	1-259-490-11	CARBON	390K	5%	1/6W	
R121	1-259-470-11	CARBON	56K	5%	1/6W	
R123	1-259-480-11	CARBON	150K	5%	1/6W	
R124	1-259-470-11	CARBON	56K	5%	1/6W	
R125	1-259-474-11	CARBON	82K	5%	1/6W	
R126	1-259-452-11	CARBON	10K	5%	1/6W	
R127	1-259-380-11	CARBON	10	5%	1/6W	
R128	1-259-478-11	CARBON	120K	5%	1/6W	
R129	1-259-478-11	CARBON	120K	5%	1/6W	
R130	1-259-475-11	CARBON	91K	5%	1/6W	
R131	1-259-475-11	CARBON	91K	5%	1/6W	
R136	1-259-421-11	CARBON	510	5%	1/6W	
R137	1-259-430-11	CARBON	1.2K	5%	1/6W	
R138	1-259-431-11	CARBON	1.3K	5%	1/6W	
R139	1-259-431-11	CARBON	1.3K	5%	1/6W	
R140	1-216-349-00	METAL OXIDE	1	5%	1W	F
R141	1-259-444-11	CARBON	4.7K	5%	1/6W	

Ref. No.	Part No.	Description				Remark
R142	1-259-428-11	CARBON	1K	5%	1/6W	
R143	1-259-428-11	CARBON	1K	5%	1/6W	
R144	1-259-428-11	CARBON	1K	5%	1/6W	
R145	1-259-460-11	CARBON	22K	5%	1/6W	
R146	1-259-444-11	CARBON	4.7K	5%	1/6W	
R147	1-259-456-11	CARBON	15K	5%	1/6W	
R149	1-259-444-11	CARBON	4.7K	5%	1/6W	
R150	1-259-428-11	CARBON	1K	5%	1/6W	
R151	1-259-444-11	CARBON	4.7K	5%	1/6W	
R152	1-259-380-11	CARBON	10	5%	1/6W	
R153	1-259-452-11	CARBON	10K	5%	1/6W	
R154	1-259-452-11	CARBON	10K	5%	1/6W	
R155	1-259-452-11	CARBON	10K	5%	1/6W	
R157	1-259-452-11	CARBON	10K	5%	1/6W	
R159	1-259-380-11	CARBON	10	5%	1/6W	
R160	1-259-380-11	CARBON	10	5%	1/6W	
R161	1-259-380-11	CARBON	10	5%	1/6W	
R162	1-259-452-11	CARBON	10K	5%	1/6W	
R163	1-259-452-11	CARBON	10K	5%	1/6W	
R164	1-259-380-11	CARBON	10	5%	1/6W	
R165	1-259-460-11	CARBON	22K	5%	1/6W	
R171	1-259-468-11	CARBON	47K	5%	1/6W	
R172	1-259-468-11	CARBON	47K	5%	1/6W	
R173	1-259-468-11	CARBON	47K	5%	1/6W	
R174	1-259-468-11	CARBON	47K	5%	1/6W	
R180	1-259-462-11	CARBON	27K	5%	1/6W	
R181	1-259-468-11	CARBON	47K	5%	1/6W	
R182	1-259-428-11	CARBON	1K	5%	1/6W	
R201	1-259-440-11	CARBON	3.3K	5%	1/6W	
R202	1-259-440-11	CARBON	3.3K	5%	1/6W	
R203	1-259-452-11	CARBON	10K	5%	1/6W	
R204	1-259-452-11	CARBON	10K	5%	1/6W	
R205	1-259-452-11	CARBON	10K	5%	1/6W	
R206	1-259-464-11	CARBON	33K	5%	1/6W	
R209	1-259-420-11	CARBON	470	5%	1/6W	
R210	1-259-420-11	CARBON	470	5%	1/6W	
R211	1-259-420-11	CARBON	470	5%	1/6W	
R230	1-259-428-11	CARBON	1K	5%	1/6W	
R231	1-259-420-11	CARBON	470	5%	1/6W	
R301	1-259-500-11	CARBON	1M	5%	1/6W	
R302	1-259-416-11	CARBON	330	5%	1/6W	
R303	1-259-452-11	CARBON	10K	5%	1/6W	
R304	1-259-452-11	CARBON	10K	5%	1/6W	
R305	1-259-452-11	CARBON	10K	5%	1/6W	
R306	1-259-452-11	CARBON	10K	5%	1/6W	
R307	1-259-452-11	CARBON	10K	5%	1/6W	
R308	1-259-452-11	CARBON	10K	5%	1/6W	
R309	1-259-452-11	CARBON	10K	5%	1/6W	
R310	1-259-452-11	CARBON	10K	5%	1/6W	

DIGITAL DISPLAY

Ref. No.	Part No.	Description				Remark
R311	1-259-452-11	CARBON	10K	5%	1/6W	
R312	1-259-452-11	CARBON	10K	5%	1/6W	
R313	1-259-428-11	CARBON	1K	5%	1/6W	
R315	1-259-452-11	CARBON	10K	5%	1/6W	
R316	1-259-428-11	CARBON	1K	5%	1/6W	
R317	1-259-452-11	CARBON	10K	5%	1/6W	
R318	1-259-452-11	CARBON	10K	5%	1/6W	
R319	1-259-452-11	CARBON	10K	5%	1/6W	
R320	1-259-484-11	CARBON	220K	5%	1/6W	
R321	1-259-452-11	CARBON	10K	5%	1/6W	
R322	1-259-452-11	CARBON	10K	5%	1/6W	
R323	1-259-404-11	CARBON	100	5%	1/6W	
R324	1-259-416-11	CARBON	330	5%	1/6W	
R325	1-259-466-11	CARBON	39K	5%	1/6W	
R326	1-259-456-11	CARBON	15K	5%	1/6W	
R327	1-259-428-11	CARBON	1K	5%	1/6W	
R328 ⚠	1-247-746-11	CARBON	390	5%	1/2W	
R330	1-259-452-11	CARBON	10K	5%	1/6W	
R331	1-259-392-11	CARBON	33	5%	1/6W	
R334	1-259-468-11	CARBON	47K	5%	1/6W	
R335	1-259-428-11	CARBON	1K	5%	1/6W	
R336	1-259-428-11	CARBON	1K	5%	1/6W	
R337	1-259-428-11	CARBON	1K	5%	1/6W	
R601	1-259-428-11	CARBON	1K	5%	1/6W	
R602	1-259-428-11	CARBON	1K	5%	1/6W	
R618	1-259-500-11	CARBON	1M	5%	1/6W	
R619	1-259-416-11	CARBON	330	5%	1/6W	
R622	1-259-420-11	CARBON	470	5%	1/6W	
R623	1-259-420-11	CARBON	470	5%	1/6W	
R624	1-259-420-11	CARBON	470	5%	1/6W	
R625	1-259-420-11	CARBON	470	5%	1/6W	
R701	1-247-891-00	CARBON	330K	5%	1/4W	
R702	1-247-700-11	CARBON	100	5%	1/4W	
R703	1-247-700-11	CARBON	100	5%	1/4W	
R704	1-259-445-11	CARBON	5.1K	5%	1/6W	
R705	1-247-725-11	CARBON	10K	5%	1/4W	
R706	1-247-721-11	CARBON	4.7K	5%	1/4W	
R707	1-259-396-11	CARBON	47	5%	1/6W	
R708	1-247-704-11	CARBON	220	5%	1/4W	
R709	1-247-704-11	CARBON	220	5%	1/4W	
R710 ⚠	1-216-359-00	METAL OXIDE	6.8	5%	1W	F
R711 ⚠	1-216-359-00	METAL OXIDE	6.8	5%	1W	F
R713	1-249-465-11	CARBON	47K	5%	1/4W	
R714 ⚠	1-215-863-11	METAL OXIDE	100	5%	1W	F
R715	1-247-887-00	CARBON	220K	5%	1/4W	
R751	1-247-891-00	CARBON	330K	5%	1/4W	
R752	1-247-700-11	CARBON	100	5%	1/4W	
R753	1-247-700-11	CARBON	100	5%	1/4W	
R754	1-259-445-11	CARBON	5.1K	5%	1/6W	
R755	1-247-725-11	CARBON	10K	5%	1/4W	
R756	1-247-721-11	CARBON	4.7K	5%	1/4W	
R757	1-259-396-11	CARBON	47	5%	1/6W	
R758	1-247-704-11	CARBON	220	5%	1/4W	
R759	1-247-704-11	CARBON	220	5%	1/4W	
R760 ⚠	1-216-359-00	METAL OXIDE	6.8	5%	1W	F
R761 ⚠	1-216-359-00	METAL OXIDE	6.8	5%	1W	F
R763	1-249-465-11	CARBON	47K	5%	1/4W	
R764	1-215-863-11	METAL OXIDE	100	5%	1W	F
R765	1-247-887-00	CARBON	220K	5%	1/4W	

< VARIABLE RESISTOR >

RV201	1-228-994-00	RES, ADJ, METAL	10K			
RV202	1-228-994-00	RES, ADJ, METAL	10K			

< RELAY >

RY701	1-515-727-11	RELAY				
RY752	1-515-727-11	RELAY				

< CRYSTAL >

X301	1-577-377-11	VIBRATOR, CERAMIC (10MHz)				
X602	1-577-685-11	FILTER, CRYSTAL (16.9344MHz)				

****

* A-4617-580-A DISPLAY BOARD, COMPLETE
(INCLUDING SW BOARD) (Canadian)

* A-4617-749-A DISPLAY BOARD, COMPLETE
(INCLUDING SW BOARD) (EXCEPT Canadian)

****

* 4-913-139-01 SPACER (A), LED
* 4-923-532-41 SPACER, LED
* 4-928-052-01 HOLDER (RIGHT)
* 4-928-053-01 HOLDER (LEFT)
* 4-935-940-01 SPACER (LED)

< CAPACITOR >

C801	1-164-159-11	CERAMIC	0.1uF			50V
C802	1-164-159-11	CERAMIC	0.1uF			50V
C803	1-164-159-11	CERAMIC	0.1uF			50V
C804	1-164-159-11	CERAMIC	0.1uF			50V
C805	1-124-994-11	ELECT	100uF		20%	6.3V
C806	1-164-159-11	CERAMIC	0.1uF			50V

< DIODE >

D801	8-719-974-68	DIODE MU20-3105 (CONTINUE)
D802	8-719-974-68	DIODE MU20-3105 (C. INDEX)
D803	8-719-974-68	DIODE MU20-3105 (SHUFFLE)
D804	8-719-974-68	DIODE MU20-3105 (PROGRAM)

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

DISPLAY H • J

Ref. No.	Part No.	Description	Remark
D805	8-719-913-47	DIODE EAA5638S ( ) (Canadian)	
D805	8-719-913-49	DIODE EBG5638S ( ) (EXCEPT Canadian)	
D806	8-719-913-47	DIODE EAA5638S ( ) (EXCEPT Canadian)	
D806	8-719-913-49	DIODE EBG5638S ( ) (Canadian)	
D807	8-719-913-47	DIODE EAA5638S (DIGITAL) (Canadian)	
D807	8-719-913-49	DIODE EBG5638S (DIGITAL) (EXCEPT Canadian)	
D808	8-719-913-47	DIODE EAA5638S (ANALOG) (EXCEPT Canadian)	
D808	8-719-913-49	DIODE EBG5638S (ANALOG) (Canadian)	
		< FLUORESCENT INDICATOR >	
FLD801	1-519-480-11	INDICATOR TUBE, FLUORESCENT	
		< IC >	
IC801	8-752-817-01	IC CXP5058H-655Q	
IC802	8-741-138-70	IC BX-1387	
		< TRANSISTOR >	
Q801	8-729-900-45	TRANSISTOR DTC114EF	
Q802	8-729-900-45	TRANSISTOR DTC114EF	
Q803	8-729-900-45	TRANSISTOR DTC114EF	
Q804	8-729-900-45	TRANSISTOR DTC114EF	
Q805	8-729-900-45	TRANSISTOR DTC114EF	
Q806	8-729-900-45	TRANSISTOR DTC114EF	
Q807	8-729-900-45	TRANSISTOR DTC114EF	
Q808	8-729-900-45	TRANSISTOR DTC114EF	
Q809	8-729-900-33	TRANSISTOR DTC144EF	
		< RESISTOR >	
R801	1-249-782-11	CARBON 150 5% 1/6W	
R802	1-249-782-11	CARBON 150 5% 1/6W	
R803	1-249-782-11	CARBON 150 5% 1/6W	
R804	1-249-782-11	CARBON 150 5% 1/6W	
R805	1-259-452-11	CARBON 10K 5% 1/6W	
R806	1-259-415-11	CARBON 300 5% 1/6W	
R807	1-259-406-11	CARBON 120 5% 1/6W	
R808	1-259-452-11	CARBON 10K 5% 1/6W	
R809	1-259-438-11	CARBON 2.7K 5% 1/6W	
R810	1-259-442-11	CARBON 3.9K 5% 1/6W	
R811	1-259-448-11	CARBON 6.8K 5% 1/6W	
R812	1-259-458-11	CARBON 18K 5% 1/6W	
R813	1-259-452-11	CARBON 10K 5% 1/6W	
R814	1-259-438-11	CARBON 2.7K 5% 1/6W	
R815	1-259-442-11	CARBON 3.9K 5% 1/6W	
R816	1-259-448-11	CARBON 6.8K 5% 1/6W	
R817	1-259-458-11	CARBON 18K 5% 1/6W	
R818	1-259-415-11	CARBON 300 5% 1/6W	
R819	1-259-406-11	CARBON 120 5% 1/6W	
R820	1-259-500-11	CARBON 1M 5% 1/6W	
R821	1-259-452-11	CARBON 10K 5% 1/6W	
R822	1-259-452-11	CARBON 10K 5% 1/6W	
R823	1-259-452-11	CARBON 10K 5% 1/6W	
R824	1-259-452-11	CARBON 10K 5% 1/6W	
		< SWITCH >	
S801	1-554-303-21	SWITCH, TACTILE (⏏ OPEN/CLOSE)	
S802	1-554-303-21	SWITCH, TACTILE (▶)	
S803	1-554-303-21	SWITCH, TACTILE (⏸)	
S804	1-554-303-21	SWITCH, TACTILE (■)	
S805	1-554-303-21	SWITCH, TACTILE (OUTPUT SELECTOR)	
S806	1-554-303-21	SWITCH, TACTILE (⏮)	
S807	1-554-303-21	SWITCH, TACTILE (⏭)	
S808	1-554-303-21	SWITCH, TACTILE (◀◀)	
S809	1-554-303-21	SWITCH, TACTILE (▶▶)	
		< CERAMIC >	
X801	1-577-082-11	VIBRATOR, CERAMIC	

****

* 1-637-310-11 H. J BOARD
****

< CAPACITOR >

C706	1-162-294-31	CERAMIC	0.001uF	10%	50V
C756	1-162-294-31	CERAMIC	0.001uF	10%	50V

< CONNECTOR >

CN691	* 1-564-519-11	PLUG, CONNECTOR 4P	
		< JACK >	
J691	1-568-519-31	JACK, LARGE TYPE (PHONES) (EXCEPT Canadian, AEP/GOLD)	
J691	1-568-519-61	JACK, LARGE TYPE (PHONES) (Canadian, AEP/GOLD)	
		< COIL >	
L701	* 1-410-858-11	INDUCTOR 0uH	
L731	* 1-410-858-11	INDUCTOR 0uH	
L751	* 1-410-858-11	INDUCTOR 0uH	

IN SW | L MOTOR | L/C SW | PRIMARY | OPT D/O

Ref.No.	Part No.	Description			Remark
	* 1-624-377-11	IN SW BOARD			
		**********			
		< SWITCH >			
S651	1-554-205-00	SWITCH, PUSH (LOAD IN DET)			
**********					
	* 1-624-376-11	L.MOTOR BOARD			
		**********			
		< CAPACITOR >			
C655	1-130-471-00	MYLAR	0.001uF	5%	50V
		< CONNECTOR >			
CNP652	* 1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
CNP653	* 1-564-336-61	PIN, CONNECTOR 2P			
CNP656	* 1-564-337-00	PIN, CONNECTOR 3P			
**********					
	* 1-624-375-11	L/C SW BOARD			
		**********			
	* 4-912-524-01	BRACKET (A), SWITCH			
	7-621-257-85	SCREW +P 2.3X14			
		< CAPACITOR >			
C651	1-136-157-00	FILM	0.022uF	5%	50V
C652	1-136-157-00	FILM	0.022uF	5%	50V
C653	1-136-157-00	FILM	0.022uF	5%	50V
		< CONNECTOR >			
CNP654	* 1-564-336-71	PIN, CONNECTOR 2P			
		< DIODE >			
D651	8-719-200-02	DIODE 10E2			
D652	8-719-200-02	DIODE 10E2			
D653	8-719-200-02	DIODE 10E2			
D654	8-719-200-02	DIODE 10E2			
		< TRANSISTOR >			
Q651	8-729-140-96	TRANSISTOR 2SD774-3			
		< RESISTOR >			
R651	1-249-417-11	CARBON	1K	5%	1/4W
R652	1-249-417-11	CARBON	1K	5%	1/4W

Ref.No.	Part No.	Description			Remark
		< SWITCH >			
S653	1-553-636-00	SWITCH, MICRO (MOTOR SELECT)			
S654	1-570-447-11	SWITCH, MICRO (CHUKING)			
**********					
	* 1-629-104-11	PRIMARY BOARD			
		**********			
	1-533-183-11	HOLDER, FUSE			
	* 1-535-688-11	TERMINAL			
	3-701-947-10	LABEL (T800 MA), FUSE (AEP, U, AUS)			
	4-870-539-00	PLATE, GROUND			
	4-875-455-01	COVER (DIA.20) CAPACITOR (AEP, U, AUS)			
		< TERMINAL >			
BP903	* 1-535-139-00	BASE POST 19MM (10MM PITCH) 2P			
BP904	* 1-535-115-00	TERMINAL			
BP905	* 1-535-115-00	TERMINAL			
		< CAPACITOR >			
C970	1-161-744-00	CERAMIC	0.01uF		400V
C971	1-161-744-00	CERAMIC	0.01uF		400V (US, Canadian)
C971	1-162-599-12	CERAMIC	0.0047uF		400V (AEP, UK, AUS)
C972	1-161-742-00	CERAMIC	0.0022uF	20%	400V
C973	1-161-742-00	CERAMIC	0.0022uF	20%	400V
C974	1-161-742-00	CERAMIC	0.0022uF	20%	400V
C975	1-161-742-00	CERAMIC	0.0022uF	20%	400V
		< COIL >			
L901	⚠ 1-421-915-11	COIL, LINE FILTER			
**********					
	* 1-629-105-11	OPT D/O BOARD			
		**********			
		< CAPACITOR >			
C871	1-162-179-11	CERAMIC	0.1uF		50V
		< IC >			
IC871	8-759-977-71	IC GP1F31T (DIGITAL OUT OPTICAL)			

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

OUT SW POWER

Ref. No.	Part No.	Description	Remark
	* 1-624-378-11	OUT SW BOARD	
		**********	
		< SWITCH >	
S652	1-571-300-21	SWITCH, ROTARY (LOAD OUT DET)	
		**********	
	* A-4617-920-A	POWER BOARD, COMPLETE (US, Canadian)	
	* A-4617-949-A	POWER BOARD, COMPLETE (EXCEPT US, Canadian)	
		**********	
	* 4-941-237-01	HEAT SINK	
	7-682-147-15	SCREW, TR	
		< BUS BAR >	
BB1	* 1-566-940-11	BUS BAR 6P	
BB2	1-566-940-21	BUS BAR 3P	
BB3	1-566-940-21	BUS BAR 3P	
BB4	1-566-940-21	BUS BAR 3P	
BB5	* 1-568-130-11	BAR, BUS 3P	
BB6	* 1-566-940-11	BUS BAR 6P	
BB21	* 1-566-940-11	BUS BAR 6P	
		< CAPACITOR >	
C901	1-125-662-11	ELECT 4700uF 20% 63V	
C902	1-125-662-11	ELECT 4700uF 20% 63V	
C903	1-124-713-11	ELECT 470uF 20% 35V	
C904	1-126-059-11	ELECT 330uF 20% 25V	
C905	1-126-335-11	ELECT 220uF 20% 10V	
C906	1-136-808-11	FILM 100PF 5% 100V	
C907	1-124-922-11	ELECT 1000uF 20% 63V	
C908	1-136-763-11	FILM 1uF 10% 100V	
C909	1-136-177-00	FILM 1uF 5% 50V	
C910	1-136-165-00	FILM 0.1uF 5% 50V	
C911	1-136-811-11	FILM 330PF 5% 100V	
C912	1-136-253-11	FILM 0.0018uF 5% 100V	
C921	1-125-662-11	ELECT 4700uF 20% 63V	
C922	1-125-662-11	ELECT 4700uF 20% 63V	
C923	1-124-713-11	ELECT 470uF 20% 35V	
C924	1-126-059-11	ELECT 330uF 20% 25V	
C925	1-126-335-11	ELECT 220uF 20% 10V	
C926	1-136-808-11	FILM 100PF 5% 100V	
C927	1-124-922-11	ELECT 1000uF 20% 63V	
C929	1-136-177-00	FILM 1uF 5% 50V	
C930	1-136-165-00	FILM 0.1uF 5% 50V	
C931	1-136-811-11	FILM 330PF 5% 100V	
C932	1-136-253-11	FILM 0.0018uF 5% 100V	
C935	1-136-763-11	FILM 1uF 10% 100V	

Ref. No.	Part No.	Description	Remark
C951	1-128-217-11	ELECT 12000uF 20% 16V	
C952	1-128-217-11	ELECT 12000uF 20% 16V	
C953	1-124-994-11	ELECT 100uF 20% 10V	
C954	1-162-282-31	CERAMIC 100PF 10% 50V	
C955	1-124-986-11	ELECT 2200uF 20% 6.3V	
C956	1-124-986-11	ELECT 2200uF 20% 6.3V	
C957	1-164-159-11	CERAMIC 0.1uF 50V	
C958	1-164-159-11	CERAMIC 0.1uF 50V	
C959	1-162-282-31	CERAMIC 100PF 10% 50V	
C960	1-126-053-11	ELECT 220uF 20% 50V	
C961	1-126-051-11	ELECT 47uF 20% 35V	
C962	1-164-159-11	CERAMIC 0.1uF 50V	
C963	1-126-052-11	ELECT 100uF 20% 35V	
C964	1-124-485-11	ELECT 330uF 20% 35V	
C965	1-126-022-11	ELECT 47uF 20% 10V	
C966	1-136-177-00	FILM 1uF 5% 50V	
C967	1-136-820-11	FILM 0.01uF 5% 100V	
C968	1-164-159-11	CERAMIC 0.1uF 50V	
C969	1-164-159-11	CERAMIC 0.1uF 50V	
		< CONNECTOR >	
CN901	* 1-535-120-00	TERMINAL (7P)	
CN902	* 1-535-118-00	TERMINAL (5P)	
CN903	* 1-535-116-00	TERMINAL	
CN905	* 1-535-139-00	BASE POST 19MM (10MM PITCH) 2P	
CN906	* 1-535-119-00	TERMINAL	
CN910	* 1-535-139-00	BASE POST 19MM (10MM PITCH) 2P	
CN911	* 1-535-139-00	BASE POST 19MM (10MM PITCH) 2P	
		< DIODE >	
D901	8-719-210-29	DIODE F10P10Q	
D902	8-719-210-29	DIODE F10P10Q	
D903	8-719-210-51	DIODE 21DQ10	
D904	8-719-210-51	DIODE 21DQ10	
D906	8-719-988-53	DIODE LTZ-MR19	
D907	8-719-114-36	DIODE RD5.6JS-B1	
D908	8-719-107-94	DIODE 1SS202-1	
D909	8-719-107-94	DIODE 1SS202-1	
D910	8-719-980-31	DIODE DA218S	
D921	8-719-210-29	DIODE F10P10Q	
D922	8-719-210-29	DIODE F10P10Q	
D923	8-719-210-51	DIODE 21DQ10	
D924	8-719-210-51	DIODE 21DQ10	
D926	8-719-988-53	DIODE LTZ-MR19	
D927	8-719-114-36	DIODE RD5.6JS-B1	
D928	8-719-107-94	DIODE 1SS202-1	
D929	8-719-107-94	DIODE 1SS202-1	
D930	8-719-980-31	DIODE DA218S	
D951	8-719-975-85	DIODE ERB83-004	

Ref. No.	Part No.	Description	Remark
D952	8-719-975-85	DIODE ERB83-004	
D953	8-719-975-85	DIODE ERB83-004	
D954	8-719-975-85	DIODE ERB83-004	
D955	8-719-988-53	DIODE LTZ-MR19	
D959	8-719-200-02	DIODE 10E2	
D960	8-719-934-22	DIODE HZS30-2L	
D961	8-719-114-36	DIODE RD5.6JS-B1	
		< IC >	
IC901	8-759-604-87	IC M5F7818L	
IC902	8-759-604-91	IC M5F7918L	
IC951	8-759-602-01	IC M5220P	
		< LINK >	
PS901 ⚠	1-532-637-00	LINK, IC (ICP, N-25 1A) (EXCEPT US, Canadian)	
PS902 ⚠	1-532-637-00	LINK, IC (ICP, N-25 1A) (EXCEPT US, Canadian)	
PS921 ⚠	1-532-637-00	LINK, IC (ICP, N-25 1A) (EXCEPT US, Canadian)	
PS922 ⚠	1-532-637-00	LINK, IC (ICP, N-25 1A) (EXCEPT US, Canadian)	
PS951 ⚠	1-532-637-00	LINK, IC (ICP, N-25 1A) (EXCEPT US, Canadian)	
PS952 ⚠	1-532-637-00	LINK, IC (ICP, N-25 1A) (EXCEPT US, Canadian)	
		< TRANSISTOR >	
Q901	8-729-322-40	TRANSISTOR 2SA1083-E	
Q902	8-729-322-40	TRANSISTOR 2SA1083-E	
Q903	8-729-202-72	TRANSISTOR 2SC3381-BL	
Q904	8-729-202-72	TRANSISTOR 2SC3381-BL	
Q905	8-729-354-52	TRANSISTOR 2SC2545-E	
Q906	8-729-809-26	TRANSISTOR 2SA1606-E	
Q907	8-729-201-05	TRANSISTOR 2SC2878-B	
Q908	8-729-307-65	TRANSISTOR 2SJ76	
Q921	8-729-354-52	TRANSISTOR 2SC2545-E	
Q922	8-729-354-52	TRANSISTOR 2SC2545-E	
Q923	8-729-232-00	TRANSISTOR 2SA1349-GRBL	
Q924	8-729-232-00	TRANSISTOR 2SA1349-GRBL	
Q925	8-729-322-40	TRANSISTOR 2SA1083ETZ	
Q926	8-729-905-67	TRANSISTOR 2SD1944-K	
Q927	8-729-322-40	TRANSISTOR 2SA1083-E	
Q928	8-729-321-35	TRANSISTOR 2SK213	
Q951	8-729-300-41	TRANSISTOR 2SA872A-E	
Q952	8-729-905-67	TRANSISTOR 2SD1944-K	
Q953	8-729-809-26	TRANSISTOR 2SA1606-E	
Q954	8-729-224-62	TRANSISTOR 2SK246GR	
Q955	8-729-927-47	TRANSISTOR 2SB1333-M	
Q956	8-729-224-62	TRANSISTOR 2SK246GR	
Q957	8-729-927-47	TRANSISTOR 2SB1333-M	
		< RESISTOR >	
R901	1-249-461-11	CARBON 18K 5% 1/4W	
R902	1-247-704-11	CARBON 220 5% 1/4W	
R903	1-249-538-11	CARBON 270 5% 1/4W	
R904	1-247-721-11	CARBON 4.7K 5% 1/4W	
R905 ⚠	1-214-810-00	METAL 5.6 1% 1/2W	
R906 ⚠	1-214-810-00	METAL 5.6 1% 1/2W	
R907	1-259-507-11	CARBON 10 1% 1/2W	
R908	1-249-504-11	CARBON 10 5% 1/4W	
R909	1-249-504-11	CARBON 10 5% 1/4W	
R910 ⚠	1-217-997-11	FUSIBLE 10 5% 1/2W	
R911	1-249-799-11	CARBON 750 1% 1/2W	
R912	1-259-547-11	CARBON 470 1% 1/2W	
R913 ⚠	1-212-875-00	FUSIBLE 56 5% 1/4W	F
R914	1-249-520-11	CARBON 47 5% 1/4W	
R915	1-249-504-11	CARBON 10 5% 1/4W	
R921	1-249-461-11	CARBON 18K 5% 1/4W	
R922	1-247-704-11	CARBON 220 5% 1/4W	
R923	1-249-538-11	CARBON 270 5% 1/4W	
R924	1-247-721-11	CARBON 4.7K 5% 1/4W	
R925 ⚠	1-214-810-00	METAL 5.6 1% 1/2W	
R926 ⚠	1-214-810-00	METAL 5.6 1% 1/2W	
R927	1-259-507-11	CARBON 10 1% 1/2W	
R928	1-249-504-11	CARBON 10 5% 1/4W	
R929	1-249-504-11	CARBON 10 5% 1/4W	
R930 ⚠	1-217-997-11	FUSIBLE 10 5% 1/2W	
R931	1-249-799-11	CARBON 750 1% 1/2W	
R932	1-259-547-11	CARBON 470 1% 1/2W	
R933 ⚠	1-212-877-11	FUSIBLE 68 5% 1/4W	F
R934	1-249-520-11	CARBON 47 5% 1/4W	
R935	1-249-504-11	CARBON 10 5% 1/4W	
R940	1-247-717-11	CARBON 2.2K 5% 1/4W	
R951	1-259-446-11	CARBON 5.6K 5% 1/6W	
R952	1-249-916-11	CARBON 510 1% 1/4W	
R953 ⚠	1-212-877-11	FUSIBLE 68 5% 1/4W	F
R954	1-259-380-11	CARBON 10 5% 1/6W	
R955	1-259-432-11	CARBON 1.5K 5% 1/6W	
R956	1-259-426-11	CARBON 820 5% 1/6W	
R957	1-259-380-11	CARBON 10 5% 1/6W	
R958	1-259-436-11	CARBON 2.2K 5% 1/6W	
R959	1-259-436-11	CARBON 2.2K 5% 1/6W	
R960	1-259-428-11	CARBON 1K 5% 1/6W	
R961	1-259-468-11	CARBON 47K 5% 1/6W	
R962	1-259-476-11	CARBON 100K 5% 1/6W	
R963 ⚠	1-212-956-00	FUSIBLE 8.2 5% 1/2W	F
R970	1-215-419-00	METAL 820 1% 1/6W	

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

TRANSLATION RM-VR STATOR SW

Ref. No.	Part No.	Description			Remark
	* 1-637-311-11	TRANSLATION BOARD			
		**********			
		< CONNECTOR >			
CN001	* 1-568-835-11	SOCKET, CONNECTOR 16P			
CN002	* 1-564-339-61	PIN, CONNECTOR 5P			
CN003	* 1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P			
**********					
	* 1-639-208-11	RM-VR BOARD			
		**********			
		< CAPACITOR >			
C175	1-124-273-00	ELECT	3.3uF	20% 50V	
		< CONNECTOR >			
CN351	* 1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
CN675	* 1-564-506-11	PLUG, CONNECTOR 3P			
CN775	* 1-564-506-11	PLUG, CONNECTOR 3P			
		< VARIABLE RESISTOR >			
RV672	1-241-527-11	RES, VAR, CARBON (MOTOR) 20KX2			(LINE OUT PHONES LEVEL)
**********					
	A-4604-792-A	STATOR ASSY			
		**********			
	4-943-342-01	BEARING			
	7-621-775-10	SCREW +B 2.6X4			
		< CAPACITOR >			
C151	1-161-494-00	CERAMIC	0.022uF	25V	
C152	1-161-494-00	CERAMIC	0.022uF	25V	
C153	1-124-477-11	ELECT	47uF	20% 25V	
C154	1-124-477-11	ELECT	47uF	20% 25V	
C155	1-161-375-00	CERAMIC	0.0022uF	20% 50V	
C156	1-161-375-00	CERAMIC	0.0022uF	20% 50V	
		< CONNECTOR >			
CNJ151	* 1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P			
		< DIODE >			
H151	8-719-800-18	DIODE THS103A-1			
H152	8-719-800-18	DIODE THS103A-1			
		< IC >			
IC151	8-759-202-01	IC TA7256P			

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R151	1-249-417-11	CARBON	1K	5% 1/4W	
R152	1-249-417-11	CARBON	1K	5% 1/4W	
R153	1-249-417-11	CARBON	1K	5% 1/4W	
R154	1-247-887-00	CARBON	220K	5% 1/4W	
R155	1-249-417-11	CARBON	1K	5% 1/4W	
R156	1-249-417-11	CARBON	1K	5% 1/4W	
R157	1-249-417-11	CARBON	1K	5% 1/4W	
R158	1-247-887-00	CARBON	220K	5% 1/4W	
R159	1-247-887-00	CARBON	220K	5% 1/4W	
R160	1-247-887-00	CARBON	220K	5% 1/4W	
R161	1-249-405-11	CARBON	100	5% 1/4W	
R162	1-249-405-11	CARBON	100	5% 1/4W	
**********					
	* 1-637-312-11	SW BOARD			
		*********			
		< SWITCH >			
S810	1-554-303-21	SWITCH, TACTILE (DISPLAY BOARD)			
**********					
		MISCELLANEOUS			
		**********			
160	⚠ 1-558-568-11	CORD, POWER (AEP)			
160	⚠ 1-559-272-11	CORD, POWER (UK)			
160	⚠ 1-559-479-11	CORD, POWER (US, Canadian)			
160	⚠ 1-575-379-11	CORD, POWER (AUS)			
303	⚠ 8-848-210-11	DEVICE, OPTICAL KSS-281A			
F901	⚠ 1-532-215-00	FUSE, TIME-LAG (0.8A 250V) (AEP, UK, AUS)			
F901	⚠ 1-532-742-11	FUSE, GLASS TUBE (1.6A 125V) (US, Canadian)			
J601	1-507-918-00	JACK, PIN 1P (LINE OUT FIXED L)			
J602	1-507-918-00	JACK, PIN 1P (LINE OUT VARIABLE L)			
J701	1-507-918-00	JACK, PIN 1P (LINE OUT FIXED R)			
J702	1-507-918-00	JACK, PIN 1P (LINE OUT VARIABLE R)			
J901	1-563-030-11	CONNECTOR (RECEPTACLE) 3P			(LINE OUT BLANSED R)
J90	1-563-030-11	CONNECTOR (RECEPTACLE) 3P			(LINE OUT BLANSED L)
M51	1-422-198-21	COIL (SENSOR)			
M53	1-422-197-21	COIL (DRIVE)			
M651	X-4902-019-1	MOTOR ASSY, CHUCKING			
M652	X-4912-517-1	MOTOR ASSY, LOADING			
S901	⚠ 1-554-538-00	SWITCH, PUSH (AC POWER) (1 KEY)			
T901	⚠ 1-450-495-11	TRANSFORMER, POWER (AUDIO) (US, Canadian)			
T901	⚠ 1-450-497-11	TRANSFORMER, POWER (AUDIO) (AEP, UK, AUS)			
T902	⚠ 1-450-494-11	TRANSFORMER, POWER (DIGITAL)			(US, Canadian)
T902	⚠ 1-450-496-11	TRANSFORMER, POWER (DIGITAL) (AEP, UK, AUS)			

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
		ACCESSORY & PACKING MATERIAL	
		**********	
	1-465-601-11	COMMANDER, REMOTE (RM-D993) (Canadian, AEP/GOLD)	
	1-465-602-11	COMMANDER, REMOTE (RM-D994) (US, UK, AUS, AEP/BLACK)	
	1-558-271-11	CORD, CONNECTION	
	3-707-584-01	COVER, BATTERY	
	3-752-396-11	MANUAL, INSTRUCTION (ENGLISH, F, E, P) (AEP, UK, Canadian, AUS)	
	3-752-396-21	MANUAL, INSTRUCTION (ENGLISH) (US, AUS)	
	3-752-396-41	MANUAL, INSTRUCTION (D, NL, S, I) (AEP)	
	3-795-629-15	INSTRUCTION (AEP)	
	4-847-802-00	SCREW (EXCEPT UK)	
*	4-912-947-01	KEY, LOCK	
*	4-912-947-01	KEY, LOCK	
*	4-928-005-01	CUSHION	
*	4-941-548-01	LABEL, CLASS 1 (EXCEPT US, Canadian)	
*	4-945-273-01	INDIVIDUAL CARTON	

HARDWARE LIST

****

Ref. No.	Part No.	Description	Remark
# 1	7-682-664-09	SCREW +PSW 4X14	
# 2	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
# 3	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S	
# 4	7-682-547-04	SCREW +B 3X6	
# 5	7-682-548-04	SCREW +BVTT 3X8 (S)	
# 6	7-685-646-79	SCREW +BVTP 3X8 TYPE2 SLIT	
# 7	7-621-770-67	SCREW +BVTT 2.6X6 (S)	
# 8	7-682-147-15	SCREW, TR	
# 9	7-682-549-04	SCREW +BVTT 3X10 (S)	
#10	7-682-562-09	SCREW +B 4X10	
#11	7-685-246-14	SCREW +RKTP 3X8 TYPE2 SLIT	
#12	7-684-023-04	N 3, TYPE 2	
#14	7-624-106-04	STOP RING 3.0, TYPE -E	
#15	7-682-949-01	SCREW +PSW 3X10	
#16	7-621-775-00	SCREW +B 2.6X3	
#17	7-621-775-80	SCREW +B 2.6X16	
#18	7-621-773-87	SCREW +BVTT 2.6X10 (S)	
#19	7-682-646-09	SCREW +PS 3X5	
#20	7-685-870-01	SCREW +BVTT 3X5 (S)	
#21	7-682-544-09	SCREW +B 3X3	
#22	7-621-257-85	SCREW +P 2.3X14	
#23	7-624-109-04	STOP RING 5.0, TYPE -E	
#24	7-628-254-20	+PSW, 2.6X8	
#25	7-682-552-04	SCREW +BVTT 3X16 (S)	
#26	7-685-132-19	SCREW +BTP 2.6X5 TYPE2 N-S	
#27	7-623-421-07	LW 2.6, TYPE B	
#28	7-688-001-01	W 2, SMALL	
#29	7-628-253-10	SCREW +PS 2X5	
#30	7-624-105-04	STOP RING 2.3, TYPE -E	
#31	7-621-255-10	SCREW +P 2X3	
#32	7-621-773-95	SCREW +P 2.6X6	
#33	7-621-775-50	SCREW +P 2.6X10	
#34	7-621-775-10	SCREW +B 2.6X4	
#35	7-682-545-04	SCREW +B 3X4	
#36	7-682-248-09	SCREW +K 3X8	
#37	7-682-546-09	SCREW +B 3X5	
#38	7-621-734-09	SET-SCT, HEX. 2.6X3	
#39	7-621-559-30	SCREW +K 2.6X5	
#40	7-621-770-XX	SCREW +BVTT 2.6X8 (S)	
#41	7-682-548-09	SCREW (3X8)	

9-956-128-11

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Audio Group

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